

# Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878

## SECTION 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product name  
UFI :

PLT 20 NEW WHITE: 160, 160 HD,  
TFV3-10U2-400C-RNKV

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use                      Pad printing ink

### 1.3. Details of the supplier of the safety data sheet

Name  
Full address  
District and Country

COMEC ITALIA SRL  
Piazzale del lavoro 149  
21044 Cavarina (VA)  
ITALIA

Tel. +39 0331 219516

Fax +39 0331 216161

e-mail address of the competent person

responsible for the Safety Data Sheet  
Supplier:

info@comec-italia.it  
Edgardo Baggini

### 1.4. Emergency telephone number

For urgent inquiries refer to

Centro Antiveloni di Milano 02 66101029  
(Niguarda Ca Granda - Milano)  
Centro Antiveloni di Pavia 0382 24444  
(Fondazione Maugeri - Pavia)  
Centro Antiveloni di Bergamo 800 883300  
(Papa Giovanni XXIII - Bergamo)  
Centro Antiveloni di Verona 800 011858  
(AOUI - Verona)  
Centro Antiveloni di Firenze 055 7947819  
(Careggi - Firenze)  
Centro Antiveloni di Roma 06 3054343  
(Agostino Gemelli - Roma)  
Centro Antiveloni di Roma 06 49978000  
(Umberto I - Roma)  
Centro Antiveloni di Roma 06 68593726  
(Ospedale pediatrico Bambino Gesù - Roma)  
Centro Antiveloni di Napoli 081 5453333  
(Antonio Cardarelli - Napoli)  
Centro Antiveloni di Foggia 800 183459  
(Azienda ospedaliera universitaria - Foggia)

## SECTION 2. Hazards identification

### 2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and

supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Flammable liquid, category 3  
Eye irritation, category 2

H226  
H319

Flammable liquid and vapour.  
Causes serious eye irritation.

## 2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words:

Warning

Hazard statements:

**H226** Flammable liquid and vapour.

**H319** Causes serious eye irritation.

Precautionary statements:

**P210** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**P280** Wear protective gloves/ protective clothing / eye protection / face protection.

**P370+P378** In case of fire: use chemical powder, CO2 or dry send to extinguish.

**P337+P313** If eye irritation persists: Get medical advice / attention.

## 2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration  $\geq$  0.1%.

## SECTION 3. Composition/information on ingredients

### 3.1. Substances

Information not relevant

### 3.2. Mixtures

Contains:

| COMEC ITALIA SRL                       |                        | Revision nr. 6                                                                                                                                                                                                                                                      |
|----------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PLT 20 NEW WHITE: 160, 160 HD,         |                        | Dated 21/01/2025                                                                                                                                                                                                                                                    |
|                                        |                        | Printed on 27/05/2025                                                                                                                                                                                                                                               |
|                                        |                        | Page n. 3/30                                                                                                                                                                                                                                                        |
|                                        |                        | Replaced revision:5 (Dated: 06/04/2023)                                                                                                                                                                                                                             |
| Identification                         | x = Conc. %            | Classification (EC) 1272/2008 (CLP)                                                                                                                                                                                                                                 |
| <b>TITANIUM DIOXIDE</b>                |                        |                                                                                                                                                                                                                                                                     |
| INDEX -                                | $32,5 \leq x < 35$     |                                                                                                                                                                                                                                                                     |
| EC 236-675-5                           |                        |                                                                                                                                                                                                                                                                     |
| CAS 13463-67-7                         |                        |                                                                                                                                                                                                                                                                     |
| <b>2-ETHOXY-1-METHYLETHYL ACETATE</b>  |                        |                                                                                                                                                                                                                                                                     |
| INDEX 603-177-00-8                     | $5 \leq x < 6$         | Flam. Liq. 3 H226, STOT SE 3 H336                                                                                                                                                                                                                                   |
| EC 259-370-9                           |                        |                                                                                                                                                                                                                                                                     |
| CAS 54839-24-6                         |                        |                                                                                                                                                                                                                                                                     |
| REACH Reg. 01-2119475116-39xxxx        |                        |                                                                                                                                                                                                                                                                     |
| <b>XYLENE</b>                          |                        |                                                                                                                                                                                                                                                                     |
| INDEX 601-022-00-9                     | $4,5 \leq x < 5$       | Flam. Liq. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373, Skin Irrit. 2 H315, STOT SE 3 H335, Classification note according to Annex VI to the CLP Regulation: C<br>ATE Dermal: 1100 mg/kg, LC50 Inhalation vapours: 11,58 mg/l/4h |
| EC 215-535-7                           |                        |                                                                                                                                                                                                                                                                     |
| CAS 1330-20-7                          |                        |                                                                                                                                                                                                                                                                     |
| REACH Reg. 01-2119488216-32-xxxx       |                        |                                                                                                                                                                                                                                                                     |
| <b>BUTYLGLYCOL ACETATE</b>             |                        |                                                                                                                                                                                                                                                                     |
| INDEX 607-038-00-2                     | $1,5 \leq x < 2$       | Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332                                                                                                                                                                                                             |
| EC 203-933-3                           |                        | ATE Oral: 500 mg/kg, ATE Dermal: 1100 mg/kg, ATE Inhalation vapours: 11 mg/l                                                                                                                                                                                        |
| CAS 112-07-2                           |                        |                                                                                                                                                                                                                                                                     |
| REACH Reg. 01-2119475112-47xxxx        |                        |                                                                                                                                                                                                                                                                     |
| <b>CYCLOHEXANONE</b>                   |                        |                                                                                                                                                                                                                                                                     |
| INDEX 606-010-00-7                     | $1 \leq x < 1,5$       | Flam. Liq. 3 H226, Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335<br>LD50 Oral: 1890 mg/kg, ATE Dermal: 1100 mg/kg, ATE Inhalation vapours: 11 mg/l                                                   |
| EC 203-631-1                           |                        |                                                                                                                                                                                                                                                                     |
| CAS 108-94-1                           |                        |                                                                                                                                                                                                                                                                     |
| REACH Reg. 01-2119453616-35-xxxx       |                        |                                                                                                                                                                                                                                                                     |
| <b>2-METHOXY-1-METHYLETHYL ACETATE</b> |                        |                                                                                                                                                                                                                                                                     |
| INDEX 607-195-00-7                     | $1 \leq x < 1,5$       | Flam. Liq. 3 H226, STOT SE 3 H336                                                                                                                                                                                                                                   |
| EC 203-603-9                           |                        |                                                                                                                                                                                                                                                                     |
| CAS 108-65-6                           |                        |                                                                                                                                                                                                                                                                     |
| REACH Reg. 01-2119475791-29-xxxx       |                        |                                                                                                                                                                                                                                                                     |
| <b>CHLOROBENZENE</b>                   |                        |                                                                                                                                                                                                                                                                     |
| INDEX 602-033-00-1                     | $0,708 \leq x < 0,808$ | Flam. Liq. 3 H226, Acute Tox. 4 H332, Skin Irrit. 2 H315, Aquatic Chronic 2 H411<br>LC50 Inhalation vapours: 15,5 mg/l/4h                                                                                                                                           |
| EC 203-628-5                           |                        |                                                                                                                                                                                                                                                                     |
| CAS 108-90-7                           |                        |                                                                                                                                                                                                                                                                     |
| REACH Reg. 01-2119432722-45-xxxx       |                        |                                                                                                                                                                                                                                                                     |
| <b>ETHYLBENZENE</b>                    |                        |                                                                                                                                                                                                                                                                     |
| INDEX 601-023-00-4                     | $0,708 \leq x < 0,808$ | Flam. Liq. 2 H225, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373, Aquatic Chronic 3 H412<br>LC50 Inhalation vapours: 17,2 mg/l/4h                                                                                                                             |
| EC 202-849-4                           |                        |                                                                                                                                                                                                                                                                     |
| CAS 100-41-4                           |                        |                                                                                                                                                                                                                                                                     |

|                                                             |                                                                                  |
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| <p align="center"><b>COMEC ITALIA SRL</b></p>               | Revision nr. 6<br>Dated 21/01/2025                                               |
| <p align="center"><b>PLT 20 NEW WHITE: 160, 160 HD,</b></p> | Printed on 27/05/2025<br>Page n. 4/30<br>Replaced revision:5 (Dated: 06/04/2023) |

REACH Reg. 01-2119489370-35-  
xxxx  
**AROMATIC HYDROCARBONS, C9**

|         |                    |                                                                                                                                                                         |
|---------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INDEX - | $0,7 \leq x < 0,8$ | Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H335, STOT SE 3 H336, Aquatic Chronic 2 H411, EUH066, Classification note according to Annex VI to the CLP Regulation: P |
|---------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

EC 918-668-5  
CAS -

REACH Reg. 01-2119455851-35  
**N-BUTYL ACETATE**

|                    |                      |                                           |
|--------------------|----------------------|-------------------------------------------|
| INDEX 607-025-00-1 | $0,14 \leq x < 0,16$ | Flam. Liq. 3 H226, STOT SE 3 H336, EUH066 |
|--------------------|----------------------|-------------------------------------------|

EC 204-658-1  
CAS 123-86-4  
REACH Reg. 01-2119485493-29

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

In case of doubt or in the presence of symptoms contact a doctor and show him this document.  
In case of more severe symptoms, ask for immediate medical aid.  
EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.  
SKIN: Take off contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice. Avoid further contact with contaminated clothing.  
INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice/attention.  
INHALATION: Remove victim to fresh air, away from the accident scene. Get medical advice/attention.

Rescuer protection

It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.

4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

4.3. Indication of any immediate medical attention and special treatment needed

If eye irritation persists: Get medical advice / attention.

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

SECTION 5. Firefighting measures

|                                                             |                                                                                           |
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### 5.1. Extinguishing media

#### SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

#### UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

### 5.2. Special hazards arising from the substance or mixture

#### HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

### 5.3. Advice for firefighters

#### GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

#### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## SECTION 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

Send away individuals who are not suitably equipped. Use explosion-proof equipment. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site.

### 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage

### 7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at

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ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

2-METHOXY-1-METHYLETHYL ACETATE  
Store in an inert atmosphere, sheletered from moisture because it hydrolises easily.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

|     |                 |                                                                                                                                                                                                                                                                                            |
|-----|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BGR | България        | НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. ЗА ЗАЩИТА НА РАБОТЕЩИТЕ ОТ РИСКОВЕ, СВЪРЗАНИ С ЕКСПОЗИЦИЯ НА ХИМИЧНИ АГЕНТИ ПРИ РАБОТА (изм. ДВ. бр.5 от 17 Януари 2020г.)                                                                                                                             |
| CZE | Česká Republika | NAŘÍZENÍ VLÁDY ze dne 10. května 2021, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci                                                                                                                                                  |
| DEU | Deutschland     | Forschungsgemeinschaft MAK- und BAT-Werte-Liste 2022 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe Mitteilung 58                                                                                                                                              |
| DNK | Danmark         | Bekendtgørelse om grænseværdier for stoffer og materialer - BEK nr 1458 af 13/12/2019                                                                                                                                                                                                      |
| ESP | España          | Límites de exposición profesional para agentes químicos en España 2023                                                                                                                                                                                                                     |
| FRA | France          | Valeurs limites d'exposition professionnelle aux agents chimiques en FranceDécret n° 2021-1849 du 28 décembre 2021                                                                                                                                                                         |
| HUN | Magyarország    | Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelete a kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről                                                                                                        |
| ITA | Italia          | Decreto Legislativo 9 Aprile 2008, n.81                                                                                                                                                                                                                                                    |
| NLD | Nederland       | Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden op grond van de artikelen 4.3, eerste lid, en 4.16, eerste lid, van het Arbeidsomstandighedenbesluit                                                                                                                      |
| PRT | Portugal        | Decreto-Lei n.º 1/2021 de 6 de janeiro, valores-limite de exposição profissional indicativos para os agentes químicos. Decreto-Lei n.º 35/2020 de 13 de julho, proteção dos trabalhadores contra os riscos ligados à exposição durante o trabalho a agentes cancerígenos ou mutagénicos    |
| POL | Polska          | Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy                                                                        |
| ROU | România         | Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea și completarea hotărârii guvernului nr. 1.093/2006                                                                                                                              |
| SWE | Sverige         | Hygieniska gränsvärden, Arbetsmiljöverkets föreskrifter och allmänna råd om hygieniska gränsvärden (AFS 2018:1)                                                                                                                                                                            |
| TUR | Türkiye         | Kimyasal Maddelerle Çalışmalarda Sağlık ve Güvenlik Önlemleri Hakkında Yönetmelik 12.08.2013 / 28733; 20.10.2023 / 32345.                                                                                                                                                                  |
| GBR | United Kingdom  | EH40/2005 Workplace exposure limits (Fourth Edition 2020)                                                                                                                                                                                                                                  |
| EU  | OEL EU          | Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC. |
|     | TLV-ACGIH       | ACGIH 2023                                                                                                                                                                                                                                                                                 |

| TITANIUM DIOXIDE      |         |        |            |       |                        |
|-----------------------|---------|--------|------------|-------|------------------------|
| Threshold Limit Value |         |        |            |       |                        |
| Type                  | Country | TWA/8h | STEL/15min |       | Remarks / Observations |
|                       |         | mg/m3  | ppm        | mg/m3 | ppm                    |
| TLV                   | BGR     | 10     |            |       | RESP                   |
| MAK                   | DEU     | 0,3    |            | 2,4   | RESP Hinweis           |

|                                                     |             |                      |               |                  |                        |                                         |               |                  |  |
|-----------------------------------------------------|-------------|----------------------|---------------|------------------|------------------------|-----------------------------------------|---------------|------------------|--|
| COMEC ITALIA SRL                                    |             |                      |               |                  |                        | Revision nr. 6                          |               |                  |  |
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|                                                     |             |                      |               |                  |                        | Page n. 7/30                            |               |                  |  |
|                                                     |             |                      |               |                  |                        | Replaced revision:5 (Dated: 06/04/2023) |               |                  |  |
|                                                     |             |                      |               |                  |                        |                                         |               |                  |  |
| TLV                                                 | DNK         | 6                    | Som Ti        |                  |                        |                                         |               |                  |  |
| VLA                                                 | ESP         | 10                   |               |                  |                        |                                         |               |                  |  |
| VLEP                                                | FRA         | 10                   |               |                  |                        |                                         |               |                  |  |
| NDS/NDSch                                           | POL         | 10                   | INHAL         |                  |                        |                                         |               |                  |  |
| TLV                                                 | ROU         | 10                   | 15            |                  |                        |                                         |               |                  |  |
| NGV/KGV                                             | SWE         | 5                    | Totaldamm     |                  |                        |                                         |               |                  |  |
| WEL                                                 | GBR         | 10                   | INHAL         |                  |                        |                                         |               |                  |  |
| WEL                                                 | GBR         | 4                    | RESP          |                  |                        |                                         |               |                  |  |
| TLV-ACGIH                                           |             | 0,2                  | RESP          |                  |                        |                                         |               |                  |  |
| Predicted no-effect concentration - PNEC            |             |                      |               |                  |                        |                                         |               |                  |  |
| Normal value in fresh water                         |             |                      | 0,127         |                  | mg/l                   |                                         |               |                  |  |
| Normal value in marine water                        |             |                      | 1             |                  | mg/l                   |                                         |               |                  |  |
| Normal value for fresh water sediment               |             |                      | 1000          |                  | mg/kg                  |                                         |               |                  |  |
| Normal value for marine water sediment              |             |                      | 100           |                  | mg/kg                  |                                         |               |                  |  |
| Normal value for water, intermittent release        |             |                      | 0,61          |                  | mg/l                   |                                         |               |                  |  |
| Normal value of STP microorganisms                  |             |                      | 100           |                  | mg/l                   |                                         |               |                  |  |
| Normal value for the terrestrial compartment        |             |                      | 100           |                  | mg/kg                  |                                         |               |                  |  |
| Health - Derived no-effect level - DNEL / DMEL      |             |                      |               |                  |                        |                                         |               |                  |  |
|                                                     |             | Effects on consumers |               |                  | Effects on workers     |                                         |               |                  |  |
| Route of exposure                                   | Acute local | Acute systemic       | Chronic local | Chronic systemic | Acute local            | Acute systemic                          | Chronic local | Chronic systemic |  |
| Oral                                                |             |                      |               | 700 mg/m3        |                        |                                         |               |                  |  |
| Inhalation                                          |             |                      |               |                  |                        |                                         |               | 10 mg/m3         |  |
|                                                     |             |                      |               |                  |                        |                                         |               |                  |  |
| Diacetoxyp propane                                  |             |                      |               |                  |                        |                                         |               |                  |  |
| Predicted no-effect concentration - PNEC            |             |                      |               |                  |                        |                                         |               |                  |  |
| Normal value in fresh water                         |             |                      | 0,08          |                  | mg/l                   |                                         |               |                  |  |
| Normal value for fresh water sediment               |             |                      | 0,57          |                  | mg/kg/d                |                                         |               |                  |  |
| Normal value for marine water sediment              |             |                      | 0,05          |                  | mg/kg/d                |                                         |               |                  |  |
| Normal value for marine water, intermittent release |             |                      | 0,82          |                  | mg/l                   |                                         |               |                  |  |
| Normal value of STP microorganisms                  |             |                      | 100           |                  | mg/l                   |                                         |               |                  |  |
| Normal value for the terrestrial compartment        |             |                      | 0,06          |                  | mg/kg/d                |                                         |               |                  |  |
| Health - Derived no-effect level - DNEL / DMEL      |             |                      |               |                  |                        |                                         |               |                  |  |
|                                                     |             | Effects on consumers |               |                  | Effects on workers     |                                         |               |                  |  |
| Route of exposure                                   | Acute local | Acute systemic       | Chronic local | Chronic systemic | Acute local            | Acute systemic                          | Chronic local | Chronic systemic |  |
| Inhalation                                          |             |                      | 117 mg/m3     |                  |                        |                                         |               |                  |  |
| Skin                                                |             |                      | 25 mg/kg bw/d |                  |                        |                                         |               |                  |  |
|                                                     |             |                      |               |                  |                        |                                         |               |                  |  |
| 2-ETHOXY-1-METHYLETHYL ACETATE                      |             |                      |               |                  |                        |                                         |               |                  |  |
| Threshold Limit Value                               |             |                      |               |                  |                        |                                         |               |                  |  |
| Type                                                | Country     | TWA/8h               | STEL/15min    |                  | Remarks / Observations |                                         |               |                  |  |
|                                                     |             | mg/m3                | ppm           | mg/m3            | ppm                    |                                         |               |                  |  |
| AGW                                                 | DEU         | 120                  | 20            | 240              | 40                     | SKIN                                    | 14            |                  |  |
| MAK                                                 | DEU         | 120                  | 20            | 240              | 40                     | SKIN                                    | Hinweis       |                  |  |
| Predicted no-effect concentration - PNEC            |             |                      |               |                  |                        |                                         |               |                  |  |

|                                                       |             |                |                      |                  |                    |                                         |               |                  |
|-------------------------------------------------------|-------------|----------------|----------------------|------------------|--------------------|-----------------------------------------|---------------|------------------|
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| PLT 20 NEW WHITE: 160, 160 HD,                        |             |                |                      |                  |                    | Dated 21/01/2025                        |               |                  |
|                                                       |             |                |                      |                  |                    | Printed on 27/05/2025                   |               |                  |
|                                                       |             |                |                      |                  |                    | Page n. 8/30                            |               |                  |
|                                                       |             |                |                      |                  |                    | Replaced revision:5 (Dated: 06/04/2023) |               |                  |
|                                                       |             |                |                      |                  |                    |                                         |               |                  |
| Normal value in fresh water                           |             |                | 2                    |                  | mg/l               |                                         |               |                  |
| Normal value in marine water                          |             |                | 0,8                  |                  | mg/l               |                                         |               |                  |
| Normal value for fresh water sediment                 |             |                | 8,2                  |                  | mg/kg              |                                         |               |                  |
| Normal value for marine water sediment                |             |                | 0,6                  |                  | mg/kg              |                                         |               |                  |
| Normal value for water, intermittent release          |             |                | 2                    |                  | mg/l               |                                         |               |                  |
| Normal value of STP microorganisms                    |             |                | 62,5                 |                  | mg/kg              |                                         |               |                  |
| Normal value for the food chain (secondary poisoning) |             |                | 117                  |                  | mg/kg              |                                         |               |                  |
| Normal value for the terrestrial compartment          |             |                | 0,6                  |                  | mg/kg              |                                         |               |                  |
| Health - Derived no-effect level - DNEL / DMEL        |             |                |                      |                  |                    |                                         |               |                  |
|                                                       |             |                | Effects on consumers |                  | Effects on workers |                                         |               |                  |
| Route of exposure                                     | Acute local | Acute systemic | Chronic local        | Chronic systemic | Acute local        | Acute systemic                          | Chronic local | Chronic systemic |
| Oral                                                  |             |                | VND                  | 13,1 mg/kg       |                    |                                         |               |                  |
| Inhalation                                            | VND         | 365 mg/m3      | VND                  | 181 mg/m3        | VND                | 608 mg/m3                               | VND           | 302 mg/m3        |
| Skin                                                  |             |                | VND                  | 62 mg/kg         |                    |                                         | VND           | 103 mg/kg        |
| XYLENE                                                |             |                |                      |                  |                    |                                         |               |                  |
| Threshold Limit Value                                 |             |                |                      |                  |                    |                                         |               |                  |
| Type                                                  | Country     | TWA/8h         |                      | STEL/15min       |                    | Remarks / Observations                  |               |                  |
|                                                       |             | mg/m3          | ppm                  | mg/m3            | ppm                |                                         |               |                  |
| TLV                                                   | BGR         | 221            | 50                   | 442              | 100                | SKIN                                    |               |                  |
| TLV                                                   | CZE         | 200            | 45,4                 | 400              | 90,8               | SKIN                                    |               |                  |
| AGW                                                   | DEU         | 220            | 50                   | 440              | 100                | SKIN                                    |               |                  |
| MAK                                                   | DEU         | 220            | 50                   | 440              | 100                | SKIN                                    |               |                  |
| TLV                                                   | DNK         | 109            | 25                   |                  |                    | SKIN                                    |               | E                |
| VLA                                                   | ESP         | 221            | 50                   | 442              | 100                | SKIN                                    |               |                  |
| VLEP                                                  | FRA         | 221            | 50                   | 442              | 100                | SKIN                                    |               |                  |
| AK                                                    | HUN         | 221            | 50                   | 442              | 100                | SKIN                                    |               |                  |
| VLEP                                                  | ITA         | 221            | 50                   | 442              | 100                | SKIN                                    |               |                  |
| TGG                                                   | NLD         | 210            |                      | 442              |                    | SKIN                                    |               |                  |
| VLE                                                   | PRT         | 221            | 50                   | 442              | 100                | SKIN                                    |               |                  |
| NDS/NDSch                                             | POL         | 100            |                      | 200              |                    | SKIN                                    |               |                  |
| TLV                                                   | ROU         | 221            | 50                   | 442              | 100                | SKIN                                    |               |                  |
| NGV/KGV                                               | SWE         | 221            | 50                   | 442              | 100                | SKIN                                    |               |                  |
| ESD                                                   | TUR         | 221            | 50                   | 442              | 100                | SKIN                                    |               |                  |
| WEL                                                   | GBR         | 220            | 50                   | 441              | 100                | SKIN                                    |               |                  |
| OEL                                                   | EU          | 221            | 50                   | 442              | 100                | SKIN                                    |               |                  |
| TLV-ACGIH                                             |             |                | 20                   |                  |                    |                                         |               |                  |
| Predicted no-effect concentration - PNEC              |             |                |                      |                  |                    |                                         |               |                  |
| Normal value in fresh water                           |             |                | 0,327                |                  | mg/l               |                                         |               |                  |
| Normal value in marine water                          |             |                | 0,327                |                  | mg/l               |                                         |               |                  |
| Normal value for fresh water sediment                 |             |                | 12,46                |                  | mg/kg              |                                         |               |                  |
| Normal value for marine water sediment                |             |                | 12,46                |                  | mg/kg              |                                         |               |                  |
| Normal value for water, intermittent release          |             |                | 0,327                |                  | mg/l               |                                         |               |                  |
|                                                       |             |                |                      |                  |                    |                                         |               |                  |

|                                                       |                      |                |               |                  |                        |                |               |                  |
|-------------------------------------------------------|----------------------|----------------|---------------|------------------|------------------------|----------------|---------------|------------------|
| COMEC ITALIA SRL                                      |                      |                |               |                  | Revision nr. 6         |                |               |                  |
| PLT 20 NEW WHITE: 160, 160 HD,                        |                      |                |               |                  | Dated 21/01/2025       |                |               |                  |
|                                                       |                      |                |               |                  | Printed on 27/05/2025  |                |               |                  |
|                                                       |                      |                |               |                  | Page n. 9/30           |                |               |                  |
| Replaced revision:5 (Dated: 06/04/2023)               |                      |                |               |                  |                        |                |               |                  |
|                                                       |                      |                |               |                  |                        |                |               |                  |
| Normal value of STP microorganisms                    |                      |                |               |                  | 6,58                   |                | mg/l          |                  |
| Normal value for the terrestrial compartment          |                      |                |               |                  | 2,31                   |                | mg/kg         |                  |
| Health - Derived no-effect level - DNEL / DMEL        |                      |                |               |                  |                        |                |               |                  |
|                                                       | Effects on consumers |                |               |                  | Effects on workers     |                |               |                  |
| Route of exposure                                     | Acute local          | Acute systemic | Chronic local | Chronic systemic | Acute local            | Acute systemic | Chronic local | Chronic systemic |
| Oral                                                  |                      |                | VND           | 1,6 mg/kg/d      |                        |                |               |                  |
| Inhalation                                            | 174 mg/m3            | 174 mg/m3      | VND           | 14,8 mg/m3       | 289 mg/m3              | 289 mg/m3      | 77 mg/m3      | 77 mg/m3         |
| Skin                                                  |                      |                | VND           | 108 mg/kg/d      | 174 mg/m3              | VND            | VND           | 180 mg/kg        |
|                                                       |                      |                |               |                  |                        |                |               |                  |
| BUTYLGLYCOL ACETATE                                   |                      |                |               |                  |                        |                |               |                  |
| Threshold Limit Value                                 |                      |                |               |                  |                        |                |               |                  |
| Type                                                  | Country              | TWA/8h         | STEL/15min    |                  | Remarks / Observations |                |               |                  |
|                                                       |                      | mg/m3          | ppm           | mg/m3            | ppm                    |                |               |                  |
| TLV                                                   | BGR                  | 133            | 20            | 333              | 50                     | SKIN           |               |                  |
| TLV                                                   | CZE                  | 130            | 19,5          | 300              | 45                     | SKIN           |               |                  |
| AGW                                                   | DEU                  | 65             | 10            | 130              | 20                     | SKIN           |               | 11               |
| MAK                                                   | DEU                  | 66             | 10            | 132              | 20                     | SKIN           |               | Hinweis          |
| TLV                                                   | DNK                  | 134            | 20            | 333              | 50                     | SKIN           |               | E                |
| VLA                                                   | ESP                  | 133            | 20            | 333              | 50                     | SKIN           |               |                  |
| VLEP                                                  | FRA                  | 66,5           | 10            | 333              | 50                     |                |               |                  |
| VLEP                                                  | ITA                  | 133            | 20            | 333              | 50                     | SKIN           |               |                  |
| TGG                                                   | NLD                  | 135            |               | 333              |                        | SKIN           |               |                  |
| VLE                                                   | PRT                  | 133            | 20            | 333              | 50                     | SKIN           |               |                  |
| NDS/NDSch                                             | POL                  | 100            |               | 300              |                        | SKIN           |               |                  |
| TLV                                                   | ROU                  | 133            | 20            | 333              | 50                     | SKIN           |               |                  |
| NGV/KGV                                               | SWE                  | 70             | 10            | 333              | 50                     | SKIN           |               |                  |
| ESD                                                   | TUR                  | 133            | 20            | 333              | 50                     | SKIN           |               |                  |
| WEL                                                   | GBR                  | 133            | 20            | 332              | 50                     | SKIN           |               |                  |
| OEL                                                   | EU                   | 133            | 20            | 333              | 50                     | SKIN           |               |                  |
| TLV-ACGIH                                             |                      | 131            | 20            |                  |                        |                |               |                  |
| Predicted no-effect concentration - PNEC              |                      |                |               |                  |                        |                |               |                  |
| Normal value in fresh water                           |                      |                |               |                  | 0,304                  |                | mg/l          |                  |
| Normal value in marine water                          |                      |                |               |                  | 0,03                   |                | mg/l          |                  |
| Normal value for fresh water sediment                 |                      |                |               |                  | 2,03                   |                | mg/l          |                  |
| Normal value for marine water sediment                |                      |                |               |                  | 0,203                  |                | mg/l          |                  |
| Normal value for water, intermittent release          |                      |                |               |                  | 0,56                   |                | mg/l          |                  |
| Normal value of STP microorganisms                    |                      |                |               |                  | 90                     |                | mg/l          |                  |
| Normal value for the food chain (secondary poisoning) |                      |                |               |                  | 60                     |                | mg/kg         |                  |
| Normal value for the terrestrial compartment          |                      |                |               |                  | 0,415                  |                | mg/kg/d       |                  |
| Health - Derived no-effect level - DNEL / DMEL        |                      |                |               |                  |                        |                |               |                  |
|                                                       | Effects on consumers |                |               |                  | Effects on workers     |                |               |                  |
| Route of exposure                                     | Acute local          | Acute systemic | Chronic local | Chronic systemic | Acute local            | Acute systemic | Chronic local | Chronic systemic |
| Oral                                                  | VND                  | 36 mg/kg/d     | VND           | 4,3 mg/kg/d      |                        |                |               |                  |
| Inhalation                                            | 200 mg/m3            | 499 mg/m3      | VND           | 80 mg/m3         | 333 mg/m3              | 773 mg/m3      | VND           | 133 mg/m3        |
| Skin                                                  |                      | 72 mg/kg bw/d  | VND           | 102 mg/kg/d      | 102 mg/kg/d            | 27 mg/kg/d     | VND           | 169 mg/kg/d      |

| CYCLOHEXANONE                                  |         |                      |                |               |                  |                        |                |               |                  |
|------------------------------------------------|---------|----------------------|----------------|---------------|------------------|------------------------|----------------|---------------|------------------|
| Threshold Limit Value                          |         |                      |                |               |                  |                        |                |               |                  |
| Type                                           | Country | TWA/8h               |                | STEL/15min    |                  | Remarks / Observations |                |               |                  |
|                                                |         | mg/m3                | ppm            | mg/m3         | ppm              |                        |                |               |                  |
| TLV                                            | BGR     | 40,8                 | 10             | 81,6          | 20               | SKIN                   |                |               |                  |
| TLV                                            | CZE     | 40                   | 9,8            | 80            | 196              | SKIN                   |                |               |                  |
| AGW                                            | DEU     | 80                   | 20             | 80            | 20               | SKIN                   |                |               |                  |
| TLV                                            | DNK     | 41                   | 10             | 81,6          | 20               | SKIN                   |                | E             |                  |
| VLA                                            | ESP     | 41                   | 10             | 82            | 20               | SKIN                   |                |               |                  |
| VLEP                                           | FRA     | 40,8                 | 10             | 81,6          | 20               |                        |                |               |                  |
| AK                                             | HUN     | 40,8                 | 10             | 81,6          | 20               | SKIN                   |                |               |                  |
| VLEP                                           | ITA     | 40,8                 | 10             | 81,6          | 20               | SKIN                   |                |               |                  |
| TGG                                            | NLD     |                      |                | 50            |                  | SKIN                   |                |               |                  |
| VLE                                            | PRT     | 40,8                 | 10             | 81,6          | 20               | SKIN                   |                |               |                  |
| NDS/NDSch                                      | POL     | 40                   |                | 80            |                  | SKIN                   |                |               |                  |
| TLV                                            | ROU     | 40,8                 | 10             | 81,6          | 20               | SKIN                   |                |               |                  |
| NGV/KGV                                        | SWE     | 41                   | 10             | 81            | 20               | SKIN                   |                |               |                  |
| ESD                                            | TUR     | 40,8                 | 10             | 81,6          | 20               | SKIN                   |                |               |                  |
| WEL                                            | GBR     | 41                   | 10             | 82            | 20               | SKIN                   |                |               |                  |
| OEL                                            | EU      | 40,8                 | 10             | 81,6          | 20               | SKIN                   |                |               |                  |
| TLV-ACGIH                                      |         | 80                   | 20             | 201           | 50               | SKIN                   |                |               |                  |
| Predicted no-effect concentration - PNEC       |         |                      |                |               |                  |                        |                |               |                  |
| Normal value in fresh water                    |         |                      |                | 0,1           | mg/l             |                        |                |               |                  |
| Normal value in marine water                   |         |                      |                | 0,01          | mg/l             |                        |                |               |                  |
| Normal value for fresh water sediment          |         |                      |                | 0,512         | mg/kg            |                        |                |               |                  |
| Normal value for marine water sediment         |         |                      |                | 0,0512        | mg/kg            |                        |                |               |                  |
| Normal value for water, intermittent release   |         |                      |                | 0,329         | mg/l             |                        |                |               |                  |
| Normal value of STP microorganisms             |         |                      |                | 10            | mg/l             |                        |                |               |                  |
| Normal value for the terrestrial compartment   |         |                      |                | 0,0435        | mg/kg            |                        |                |               |                  |
| Health - Derived no-effect level - DNEL / DMEL |         |                      |                |               |                  |                        |                |               |                  |
|                                                |         | Effects on consumers |                |               |                  | Effects on workers     |                |               |                  |
| Route of exposure                              |         | Acute local          | Acute systemic | Chronic local | Chronic systemic | Acute local            | Acute systemic | Chronic local | Chronic systemic |
| Oral                                           |         |                      |                |               | 1,5 mg/kg bw/d   |                        |                |               |                  |
| Inhalation                                     |         |                      |                | VND           | 10 mg/m3         |                        |                | VND           | 40 mg/m3         |
| Skin                                           |         |                      |                | VND           | 1 mg/kg bw/d     |                        |                | VND           | 4 mg/kg bw/d     |
| 2-METHOXY-1-METHYLETHYL ACETATE                |         |                      |                |               |                  |                        |                |               |                  |
| Threshold Limit Value                          |         |                      |                |               |                  |                        |                |               |                  |
| Type                                           | Country | TWA/8h               |                | STEL/15min    |                  | Remarks / Observations |                |               |                  |
|                                                |         | mg/m3                | ppm            | mg/m3         | ppm              |                        |                |               |                  |
| TLV                                            | BGR     | 275                  | 50             | 550           | 100              | SKIN                   |                |               |                  |
| TLV                                            | CZE     | 270                  | 49,14          | 550           | 100,1            | SKIN                   |                |               |                  |
| AGW                                            | DEU     | 270                  | 50             | 270           | 50               |                        |                |               |                  |

|                                                |             |                |               |                  |                                   |                        |                                                                                                          |                  |
|------------------------------------------------|-------------|----------------|---------------|------------------|-----------------------------------|------------------------|----------------------------------------------------------------------------------------------------------|------------------|
| COMEC ITALIA SRL                               |             |                |               |                  |                                   |                        | <div>Revision nr. 6<br/>Dated 21/01/2025</div>                                                           |                  |
| PLT 20 NEW WHITE: 160, 160 HD,                 |             |                |               |                  |                                   |                        | <div>Printed on 27/05/2025<br/><br/>Page n. 11/30<br/><br/>Replaced revision:5 (Dated: 06/04/2023)</div> |                  |
|                                                |             |                |               |                  |                                   |                        |                                                                                                          |                  |
| MAK                                            | DEU         | 270            | 50            | 270              | 50                                |                        |                                                                                                          |                  |
| TLV                                            | DNK         | 275            | 50            | 550              | 100                               | SKIN                   | E                                                                                                        |                  |
| VLA                                            | ESP         | 275            | 50            | 550              | 100                               | SKIN                   |                                                                                                          |                  |
| VLEP                                           | FRA         | 275            | 50            | 550              | 100                               | SKIN                   |                                                                                                          |                  |
| VLEP                                           | ITA         | 275            | 50            | 550              | 100                               | SKIN                   |                                                                                                          |                  |
| TGG                                            | NLD         | 550            |               |                  |                                   |                        |                                                                                                          |                  |
| VLE                                            | PRT         | 275            | 50            | 550              | 100                               | SKIN                   |                                                                                                          |                  |
| NDS/NDSCh                                      | POL         | 260            |               | 520              |                                   | SKIN                   |                                                                                                          |                  |
| TLV                                            | ROU         | 275            | 50            | 550              | 100                               | SKIN                   |                                                                                                          |                  |
| NGV/KGV                                        | SWE         | 275            | 50            | 550              | 100                               | SKIN                   |                                                                                                          |                  |
| ESD                                            | TUR         | 275            | 50            | 550              | 100                               | SKIN                   |                                                                                                          |                  |
| WEL                                            | GBR         | 274            | 50            | 548              | 100                               | SKIN                   |                                                                                                          |                  |
| OEL                                            | EU          | 275            | 50            | 550              | 100                               | SKIN                   |                                                                                                          |                  |
| Predicted no-effect concentration - PNEC       |             |                |               |                  |                                   |                        |                                                                                                          |                  |
| Normal value in fresh water                    |             |                |               | 0,635            | mg/l                              |                        |                                                                                                          |                  |
| Normal value in marine water                   |             |                |               | 0,0635           | mg/l                              |                        |                                                                                                          |                  |
| Normal value for fresh water sediment          |             |                |               | 3,29             | mg/kg                             |                        |                                                                                                          |                  |
| Normal value for marine water sediment         |             |                |               | 0,329            | mg/l                              |                        |                                                                                                          |                  |
| Normal value for water, intermittent release   |             |                |               | 6,35             | mg/l                              |                        |                                                                                                          |                  |
| Normal value of STP microorganisms             |             |                |               | 100              | mg/l                              |                        |                                                                                                          |                  |
| Normal value for the terrestrial compartment   |             |                |               | 0,29             | mg/kg                             |                        |                                                                                                          |                  |
| Health - Derived no-effect level - DNEL / DMEL |             |                |               |                  |                                   |                        |                                                                                                          |                  |
|                                                |             |                |               |                  |                                   |                        |                                                                                                          |                  |
|                                                |             |                |               |                  |                                   |                        |                                                                                                          |                  |
| Route of exposure                              | Acute local | Acute systemic | Chronic local | Chronic systemic | Effects on workers<br>Acute local | Acute systemic         | Chronic local                                                                                            | Chronic systemic |
| Oral                                           |             |                | VND           | 1,67 mg/kg       |                                   |                        |                                                                                                          |                  |
| Inhalation                                     |             |                | 33 mg/m3      | 33 mg/m3         | 550 mg/m3                         |                        | VND                                                                                                      | 275 mg/m3        |
| Skin                                           |             |                | VND           | 54,8 mg/kg       |                                   |                        | VND                                                                                                      | 153,5 mg/kg      |
| ETHYLBENZENE                                   |             |                |               |                  |                                   |                        |                                                                                                          |                  |
| Threshold Limit Value                          |             |                |               |                  |                                   |                        |                                                                                                          |                  |
| Type                                           | Country     | TWA/8h         |               | STEL/15min       |                                   | Remarks / Observations |                                                                                                          |                  |
|                                                |             | mg/m3          | ppm           | mg/m3            | ppm                               |                        |                                                                                                          |                  |
| TLV                                            | BGR         | 435            |               | 545              |                                   | SKIN                   |                                                                                                          |                  |
| TLV                                            | CZE         | 200            | 45,4          | 500              | 113,5                             | SKIN                   |                                                                                                          |                  |
| AGW                                            | DEU         | 88             | 20            | 176              | 40                                | SKIN                   |                                                                                                          |                  |
| MAK                                            | DEU         | 88             | 20            | 176              | 40                                | SKIN                   |                                                                                                          |                  |
| TLV                                            | DNK         | 217            | 50            | 434              | 100                               | SKIN E                 |                                                                                                          |                  |
| VLA                                            | ESP         | 441            | 100           | 884              | 200                               | SKIN                   |                                                                                                          |                  |
| VLEP                                           | FRA         | 88,4           | 20            | 442              | 100                               | SKIN                   |                                                                                                          |                  |
| AK                                             | HUN         | 442            | 100           | 884              | 200                               | SKIN                   |                                                                                                          |                  |
| VLEP                                           | ITA         | 442            | 100           | 884              | 200                               | SKIN                   |                                                                                                          |                  |
| TGG                                            | NLD         | 215            |               | 430              |                                   | SKIN                   |                                                                                                          |                  |
| VLE                                            | PRT         | 442            | 100           | 884              | 200                               | SKIN                   |                                                                                                          |                  |
| NDS/NDSCh                                      | POL         | 200            |               | 400              |                                   | SKIN                   |                                                                                                          |                  |
|                                                |             |                |               |                  |                                   |                        |                                                                                                          |                  |

| COMEC ITALIA SRL                                      |         |        |            |       |                        | Revision nr. 6                          |
|-------------------------------------------------------|---------|--------|------------|-------|------------------------|-----------------------------------------|
| PLT 20 NEW WHITE: 160, 160 HD,                        |         |        |            |       |                        | Dated 21/01/2025                        |
|                                                       |         |        |            |       |                        | Printed on 27/05/2025                   |
|                                                       |         |        |            |       |                        | Page n. 12/30                           |
|                                                       |         |        |            |       |                        | Replaced revision:5 (Dated: 06/04/2023) |
|                                                       |         |        |            |       |                        |                                         |
| TLV                                                   | ROU     | 442    | 100        | 884   | 200                    | SKIN                                    |
| NGV/KGV                                               | SWE     | 220    | 50         | 884   | 200                    | SKIN                                    |
| ESD                                                   | TUR     | 442    | 100        | 884   | 200                    | SKIN                                    |
| WEL                                                   | GBR     | 441    | 100        | 552   | 125                    | SKIN                                    |
| OEL                                                   | EU      | 442    | 100        | 884   | 200                    | SKIN                                    |
| TLV-ACGIH                                             |         | 87     | 20         |       |                        |                                         |
| Predicted no-effect concentration - PNEC              |         |        |            |       |                        |                                         |
| Normal value in fresh water                           |         |        |            | 0,1   | mg/l ECHA 2018         |                                         |
| Normal value in marine water                          |         |        |            | 0,01  | mg/l ECHA 2018         |                                         |
| Normal value for fresh water sediment                 |         |        |            | 13,7  | mg/kg ECHA 2018        |                                         |
| Normal value for marine water sediment                |         |        |            | 1,37  | mg/kg ECHA 2018        |                                         |
| Normal value for water, intermittent release          |         |        |            | 0,1   | mg/l ECHA 2018         |                                         |
| Normal value of STP microorganisms                    |         |        |            | 9,6   | mg/l ECHA 2018         |                                         |
| Normal value for the food chain (secondary poisoning) |         |        |            | 20    | mg/kg ECHA 2018        |                                         |
| Normal value for the terrestrial compartment          |         |        |            | 2,68  | mg/kg ECHA 2018        |                                         |
| CHLOROBENZENE                                         |         |        |            |       |                        |                                         |
| Threshold Limit Value                                 |         |        |            |       |                        |                                         |
| Type                                                  | Country | TWA/8h | STEL/15min |       | Remarks / Observations |                                         |
|                                                       |         | mg/m3  | ppm        | mg/m3 | ppm                    |                                         |
| TLV                                                   | BGR     | 23     | 5          | 70    | 15                     |                                         |
| TLV                                                   | CZE     | 25     | 6,8        | 70    | 19,04                  |                                         |
| AGW                                                   | DEU     | 23     | 5          | 46    | 10                     |                                         |
| MAK                                                   | DEU     | 23     | 5          | 46    | 10                     |                                         |
| TLV                                                   | DNK     | 23     | 5          | 70    | 15                     | E                                       |
| VLA                                                   | ESP     | 23     | 5          | 70    | 15                     |                                         |
| VLEP                                                  | FRA     | 23     | 5          | 70    | 15                     |                                         |
| AK                                                    | HUN     | 23     | 5          | 70    | 15                     |                                         |
| VLEP                                                  | ITA     | 23     | 5          | 70    | 15                     |                                         |
| TGG                                                   | NLD     | 23     |            | 70    |                        |                                         |
| VLE                                                   | PRT     | 23     | 5          | 70    | 15                     |                                         |
| NDS/NDSCh                                             | POL     | 23     |            | 70    |                        |                                         |
| TLV                                                   | ROU     | 23     | 5          | 70    | 15                     |                                         |
| NGV/KGV                                               | SWE     | 23     | 5          | 70    | 15                     |                                         |
| ESD                                                   | TUR     | 23     | 5          | 70    | 15                     |                                         |
| WEL                                                   | GBR     | 4,7    | 1          | 14    | 3                      | SKIN                                    |
| OEL                                                   | EU      | 23     | 5          | 70    | 15                     |                                         |
| TLV-ACGIH                                             |         | 46     | 10         |       |                        |                                         |
| AROMATIC HYDROCARBONS, C9                             |         |        |            |       |                        |                                         |
| Threshold Limit Value                                 |         |        |            |       |                        |                                         |
| Type                                                  | Country | TWA/8h | STEL/15min |       | Remarks / Observations |                                         |
|                                                       |         | mg/m3  | ppm        | mg/m3 | ppm                    |                                         |
| VLEP                                                  | ITA     | 100    | 20         |       |                        | 1,2,3 trimetilbenzene                   |

|                                                                                         |                      |                |               |                       |                    |                                         |               |                  |
|-----------------------------------------------------------------------------------------|----------------------|----------------|---------------|-----------------------|--------------------|-----------------------------------------|---------------|------------------|
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| OEL                                                                                     | EU                   | 100            | 20            | 1,2,3 trimetilbenzene |                    |                                         |               |                  |
| TLV-ACGIH                                                                               |                      |                | 25            | 1,2,3 trimetilbenzene |                    |                                         |               |                  |
| Health - Derived no-effect level - DNEL / DMEL                                          |                      |                |               |                       |                    |                                         |               |                  |
|                                                                                         | Effects on consumers |                |               |                       | Effects on workers |                                         |               |                  |
| Route of exposure                                                                       | Acute local          | Acute systemic | Chronic local | Chronic systemic      | Acute local        | Acute systemic                          | Chronic local | Chronic systemic |
| Oral                                                                                    |                      |                | VND           | 11 mg/kg              |                    |                                         |               | 11 mg/kg bw/d    |
| Inhalation                                                                              |                      |                | VND           | 32 mg/m3              |                    |                                         | VND           | 150 mg/m3        |
| Skin                                                                                    |                      |                | VND           | 11 mg/kg              |                    |                                         | VND           | 25 mg/kg         |
| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate |                      |                |               |                       |                    |                                         |               |                  |
| Predicted no-effect concentration - PNEC                                                |                      |                |               |                       |                    |                                         |               |                  |
| Normal value in fresh water                                                             |                      |                |               | 0,018                 | mg/l               |                                         |               |                  |
| Normal value in marine water                                                            |                      |                |               | 0,0018                | mg/l               |                                         |               |                  |
| Normal value for fresh water sediment                                                   |                      |                |               | 2                     | mg/kg/d            |                                         |               |                  |
| Normal value for marine water sediment                                                  |                      |                |               | 0,2                   | mg/kg/d            |                                         |               |                  |
| Normal value for water, intermittent release                                            |                      |                |               | 0,018                 | mg/l               |                                         |               |                  |
| Normal value of STP microorganisms                                                      |                      |                |               | 100                   | mg/l               |                                         |               |                  |
| Normal value for the food chain (secondary poisoning)                                   |                      |                |               | 41,33                 | mg/kg              |                                         |               |                  |
| Normal value for the terrestrial compartment                                            |                      |                |               | 10                    | mg/kg/d            |                                         |               |                  |
| Health - Derived no-effect level - DNEL / DMEL                                          |                      |                |               |                       |                    |                                         |               |                  |
|                                                                                         | Effects on consumers |                |               |                       | Effects on workers |                                         |               |                  |
| Route of exposure                                                                       | Acute local          | Acute systemic | Chronic local | Chronic systemic      | Acute local        | Acute systemic                          | Chronic local | Chronic systemic |
| Oral                                                                                    |                      |                |               | 0,93 mg/kg bw/d       |                    |                                         |               |                  |
| Inhalation                                                                              |                      |                |               | 1,62 mg/m3            |                    |                                         |               | 6,6 mg/m3        |
| Skin                                                                                    |                      |                |               | 0,83 mg/kg bw/d       |                    |                                         |               | 1,67 mg/kg bw/d  |
| Soybean oil, epoxidized                                                                 |                      |                |               |                       |                    |                                         |               |                  |
| Health - Derived no-effect level - DNEL / DMEL                                          |                      |                |               |                       |                    |                                         |               |                  |
|                                                                                         | Effects on consumers |                |               |                       | Effects on workers |                                         |               |                  |
| Route of exposure                                                                       | Acute local          | Acute systemic | Chronic local | Chronic systemic      | Acute local        | Acute systemic                          | Chronic local | Chronic systemic |
| Oral                                                                                    |                      | 5 mg/kg/d      |               | 0,8 mg/kg/d           |                    |                                         |               |                  |
| Inhalation                                                                              |                      | 17,5 mg/m3     |               | 2,8 mg/m3             |                    | 70 mg/m3                                |               | 11,9 mg/m3       |
| Skin                                                                                    |                      | 5 mg/kg/d      |               | 0,8 mg/kg/d           | 10 mg/kg/d         | 10 mg/kg/d                              |               | 1,7 mg/kg/d      |
| N-BUTYL ACETATE                                                                         |                      |                |               |                       |                    |                                         |               |                  |
| Threshold Limit Value                                                                   |                      |                |               |                       |                    |                                         |               |                  |
| Type                                                                                    | Country              | TWA/8h         |               | STEL/15min            |                    | Remarks / Observations                  |               |                  |
|                                                                                         |                      | mg/m3          | ppm           | mg/m3                 | ppm                |                                         |               |                  |
| TLV                                                                                     | BGR                  | 710            |               | 950                   |                    |                                         |               |                  |
| TLV                                                                                     | CZE                  | 241            |               | 723                   |                    |                                         |               |                  |
| AGW                                                                                     | DEU                  | 300            | 62            | 600                   | 124                |                                         |               |                  |
| MAK                                                                                     | DEU                  | 480            | 100           | 960                   | 200                |                                         |               |                  |
| TLV                                                                                     | DNK                  | 241            | 50            | 723                   | 150                | E                                       |               |                  |
| VLA                                                                                     | ESP                  | 241            | 50            | 723                   | 150                |                                         |               |                  |
|                                                                                         |                      |                |               |                       |                    |                                         |               |                  |

|                                                |             |                      |               |                  |                        |                                         |               |                  |  |
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| VLEP                                           | FRA         | 241                  | 50            | 723              | 150                    |                                         |               |                  |  |
| VLEP                                           | ITA         | 241                  | 50            | 723              | 150                    |                                         |               |                  |  |
| TGG                                            | NLD         | 150                  |               |                  |                        |                                         |               |                  |  |
| VLE                                            | PRT         | 241                  | 50            | 723              | 150                    |                                         |               |                  |  |
| NDS/NDSch                                      | POL         | 240                  |               | 720              |                        |                                         |               |                  |  |
| TLV                                            | ROU         | 241                  | 50            | 723              | 150                    |                                         |               |                  |  |
| NGV/KGV                                        | SWE         | 241                  | 50            | 723 (C)          | 150 (C)                |                                         |               |                  |  |
| ESD                                            | TUR         | 241                  | 50            | 723              | 150                    |                                         |               |                  |  |
| WEL                                            | GBR         | 724                  | 150           | 966              | 200                    |                                         |               |                  |  |
| OEL                                            | EU          | 241                  | 50            | 723              | 150                    |                                         |               |                  |  |
| TLV-ACGIH                                      |             |                      | 50            |                  | 150                    |                                         |               |                  |  |
| Predicted no-effect concentration - PNEC       |             |                      |               |                  |                        |                                         |               |                  |  |
| Normal value in fresh water                    |             |                      |               | 0,18             | mg/l                   |                                         |               |                  |  |
| Normal value in marine water                   |             |                      |               | 0,01             | mg/l                   |                                         |               |                  |  |
| Normal value for fresh water sediment          |             |                      |               | 0,98             | mg/kg                  |                                         |               |                  |  |
| Normal value for marine water sediment         |             |                      |               | 0,09             | mg/kg                  |                                         |               |                  |  |
| Normal value for water, intermittent release   |             |                      |               | 0,36             | mg/l                   |                                         |               |                  |  |
| Normal value of STP microorganisms             |             |                      |               | 35,6             | mg/l                   |                                         |               |                  |  |
| Normal value for the terrestrial compartment   |             |                      |               | 0,09             | mg/kg                  |                                         |               |                  |  |
| Health - Derived no-effect level - DNEL / DMEL |             |                      |               |                  |                        |                                         |               |                  |  |
|                                                |             | Effects on consumers |               |                  | Effects on workers     |                                         |               |                  |  |
| Route of exposure                              | Acute local | Acute systemic       | Chronic local | Chronic systemic | Acute local            | Acute systemic                          | Chronic local | Chronic systemic |  |
| Inhalation                                     | 859,7 mg/m3 | 895,7 mg/m3          | 102,34 mg/m3  | 102,34 mg/m3     | 960 mg/m3              | 960 mg/m3                               | 480 mg/m3     | 480 mg/m3        |  |
| BUTAN-1-OL                                     |             |                      |               |                  |                        |                                         |               |                  |  |
| Threshold Limit Value                          |             |                      |               |                  |                        |                                         |               |                  |  |
| Type                                           | Country     | TWA/8h               |               | STEL/15min       | Remarks / Observations |                                         |               |                  |  |
|                                                |             | mg/m3                | ppm           | mg/m3            | ppm                    |                                         |               |                  |  |
| TLV                                            | BGR         | 100                  |               | 150              |                        |                                         |               |                  |  |
| TLV                                            | CZE         | 300                  | 97,5          | 600              | 195                    |                                         |               |                  |  |
| AGW                                            | DEU         | 310                  | 100           | 310              | 100                    |                                         |               |                  |  |
| MAK                                            | DEU         | 310                  | 100           | 310              | 100                    |                                         |               |                  |  |
| TLV                                            | DNK         |                      |               | 150 (C)          | 50 (C)                 | SKIN                                    |               |                  |  |
| VLA                                            | ESP         | 61                   | 20            | 154              | 50                     |                                         |               |                  |  |
| VLEP                                           | FRA         |                      |               | 150              | 50                     |                                         |               |                  |  |
| TGG                                            | NLD         |                      |               | 45               |                        |                                         |               |                  |  |
| NDS/NDSch                                      | POL         | 50                   |               | 150              |                        | SKIN                                    |               |                  |  |
| TLV                                            | ROU         | 100                  | 33            | 200              | 66                     |                                         |               |                  |  |
| NGV/KGV                                        | SWE         | 45                   | 15            | 90               | 30                     | SKIN                                    |               |                  |  |
| ESD                                            | TUR         | 300                  | 100           |                  |                        |                                         |               |                  |  |
| WEL                                            | GBR         |                      |               | 154              | 50                     | SKIN                                    |               |                  |  |
| TLV-ACGIH                                      |             | 61                   | 20            |                  |                        |                                         |               |                  |  |
| Predicted no-effect concentration - PNEC       |             |                      |               |                  |                        |                                         |               |                  |  |
|                                                |             |                      |               |                  |                        |                                         |               |                  |  |

|                                                       |                      |                    |               |                  |             |                |               |                  |
|-------------------------------------------------------|----------------------|--------------------|---------------|------------------|-------------|----------------|---------------|------------------|
| Normal value in fresh water                           | 0,082                | mg/l               |               |                  |             |                |               |                  |
| Normal value in marine water                          | 0,0082               | mg/l               |               |                  |             |                |               |                  |
| Normal value for fresh water sediment                 | 0,178                | mg/kg              |               |                  |             |                |               |                  |
| Normal value for marine water sediment                | 0,0178               | mg/kg              |               |                  |             |                |               |                  |
| Normal value for water, intermittent release          | 2,25                 | mg/l               |               |                  |             |                |               |                  |
| Normal value of STP microorganisms                    | 2476                 | mg/l               |               |                  |             |                |               |                  |
| Normal value for the terrestrial compartment          | 0,015                | mg/kg              |               |                  |             |                |               |                  |
| <b>Health - Derived no-effect level - DNEL / DMEL</b> |                      |                    |               |                  |             |                |               |                  |
|                                                       | Effects on consumers | Effects on workers |               |                  |             |                |               |                  |
| Route of exposure                                     | Acute local          | Acute systemic     | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral                                                  |                      |                    | VND           | 3125 mg/kg       |             |                |               |                  |
| Inhalation                                            |                      |                    | 55 mg/m3      | VND              |             |                | 310 mg/m3     | VND              |

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves.

The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, permeability time.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

EYE PROTECTION

Wear airtight protective goggles (see standard EN ISO 16321).

RESPIRATORY PROTECTION

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. Use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387).

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with

## ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

### 9.1. Information on basic physical and chemical properties

| Properties                             | Value                  | Information |
|----------------------------------------|------------------------|-------------|
| Appearance                             | viscous liquid         |             |
| Colour                                 | various                |             |
| Odour                                  | typical of solvent     |             |
| Melting point / freezing point         | not available          |             |
| Initial boiling point                  | not available          |             |
| Flammability                           | not available          |             |
| Lower explosive limit                  | 1,1 % (v/v)            |             |
| Upper explosive limit                  | 7 % (v/v)              |             |
| Flash point                            | $23 \leq T \leq 60$ °C |             |
| Auto-ignition temperature              | > 200 °C               |             |
| Decomposition temperature              | not available          |             |
| pH                                     | not available          |             |
| Kinematic viscosity                    | not available          |             |
| Solubility                             | immiscible with water  |             |
| Partition coefficient: n-octanol/water | not available          |             |
| Vapour pressure                        | not available          |             |
| Density and/or relative density        | not available          |             |
| Relative vapour density                | not available          |             |
| Particle characteristics               | not applicable         |             |

## 9.2. Other information

### 9.2.1. Information with regard to physical hazard classes

Information not available

### 9.2.2. Other safety characteristics

Viscosity available on request

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

|                                |                                         |
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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DPnB                                                                                                                                                               |
| Do not put in contact with free oxygen                                                                                                                             |
| CYCLOHEXANONE                                                                                                                                                      |
| Attacks various types of plastic materials.                                                                                                                        |
| May condense under the effect of heat to form resinous compounds.                                                                                                  |
| 2-METHOXY-1-METHYLETHYL ACETATE                                                                                                                                    |
| Stable in normal conditions of use and storage.                                                                                                                    |
| With the air it may slowly develop peroxides that explode with an increase in temperature.                                                                         |
| N-BUTYL ACETATE                                                                                                                                                    |
| Decomposes on contact with: water.                                                                                                                                 |
| <b>10.2. Chemical stability</b>                                                                                                                                    |
| The product is stable in normal conditions of use and storage.                                                                                                     |
| DPnB                                                                                                                                                               |
| Stable product under recommended storage and use conditions                                                                                                        |
| <b>10.3. Possibility of hazardous reactions</b>                                                                                                                    |
| The vapours may also form explosive mixtures with the air.                                                                                                         |
| XYLENE                                                                                                                                                             |
| Stable in normal conditions of use and storage.Reacts violently with: strong oxidants,strong acids,nitric acid,perchlorates.May form explosive mixtures with: air. |
| DPnB                                                                                                                                                               |
| Avoid oxygen infiltration                                                                                                                                          |
| CYCLOHEXANONE                                                                                                                                                      |
| Risk of explosion on contact with: hydrogen peroxide,nitric acid,heat,mineral acids.May react violently with: oxidising agents.Forms explosive mixtures with: air. |
| 2-METHOXY-1-METHYLETHYL ACETATE                                                                                                                                    |

|                                                                                                                                                                        |  |                                         |
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| May react violently with: oxidising substances,strong acids,alkaline metals.                                                                                           |  |                                         |
| ETHYLBENZENE                                                                                                                                                           |  |                                         |
| Reacts violently with: strong oxidants.Attacks various types of plastic materials.May form explosive mixtures with: air.                                               |  |                                         |
| AROMATIC HYDROCARBONS, C9                                                                                                                                              |  |                                         |
| May react with: strong oxidising agents.                                                                                                                               |  |                                         |
| N-BUTYL ACETATE                                                                                                                                                        |  |                                         |
| Risk of explosion on contact with: strong oxidising agents.May react dangerously with: alkaline hydroxides,potassium tert-butoxide.Forms explosive mixtures with: air. |  |                                         |
| <b>10.4. Conditions to avoid</b>                                                                                                                                       |  |                                         |
| Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.                                                                             |  |                                         |
| DPnB                                                                                                                                                                   |  |                                         |
| Avoid oxygen infiltration; avoid heat, flames, sparks                                                                                                                  |  |                                         |
| CYCLOHEXANONE                                                                                                                                                          |  |                                         |
| Avoid exposure to: sources of heat,naked flames.                                                                                                                       |  |                                         |
| N-BUTYL ACETATE                                                                                                                                                        |  |                                         |
| Avoid exposure to: moisture,sources of heat,naked flames.                                                                                                              |  |                                         |
| <b>10.5. Incompatible materials</b>                                                                                                                                    |  |                                         |
| DPnB                                                                                                                                                                   |  |                                         |
| Avoid oxygen infiltration                                                                                                                                              |  |                                         |
| 2-METHOXY-1-METHYLETHYL ACETATE                                                                                                                                        |  |                                         |
| Incompatible with: oxidising substances,strong acids,alkaline metals.                                                                                                  |  |                                         |
| N-BUTYL ACETATE                                                                                                                                                        |  |                                         |
| Incompatible with: water,nitrates,strong oxidants,acids,alkalis,zinc.                                                                                                  |  |                                         |
| <b>10.6. Hazardous decomposition products</b>                                                                                                                          |  |                                         |
| In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.                                             |  |                                         |
| DPnB                                                                                                                                                                   |  |                                         |

|                                                             |                                                                                            |
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In the event of a fire, it can release carbon monoxide

ETHYLBENZENE

May develop: methane,styrene,hydrogen,ethane.

## SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.  
It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Metabolism, toxicokinetics, mechanism of action and other information

2-METHOXY-1-METHYLETHYL ACETATE

The main route of entry is the skin, whereas the respiratory route is less important due to the low vapour pressure of the product.

#### Information on likely routes of exposure

XYLENE

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; inhalation of ambient air.

2-METHOXY-1-METHYLETHYL ACETATE

WORKERS: inhalation; contact with the skin.

ETHYLBENZENE

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; contact with the skin of products containing the substance.

N-BUTYL ACETATE

WORKERS: inhalation; contact with the skin.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

XYLENE

Toxic effect on the central nervous system (encephalopathy); irritating for the skin, conjunctiva, cornea and respiratory apparatus.

2-METHOXY-1-METHYLETHYL ACETATE

Above 100 ppm causes irritation of the eye, nose and oropharynx mucous membranes. At 1000 ppm, disturbance of equilibrium and severe eye irritation can be noticed. Clinical and biological examinations carried out on exposed volunteers revealed no anomalies. Acetate produces greater skin and eye irritation with direct contact. No chronic effects on humans have been reported (INCR, 2010).

ETHYLBENZENE

As the counterparts of benzene, may have an acute effect on the central nervous system, with depression, narcosis, often preceded by dizziness and associated with headache (Ispesl). Is irritating for skin, conjunctiva and respiratory tract.

N-BUTYL ACETATE

In humans, the substance's vapours cause irritation of the eyes and nose. In the event of repeated exposure, skin irritation, dermatitis (dryness and cracking of the skin) and keratitis appear.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                         |
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| <u>Interactive effects</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                         |
| XYLENE<br>Intake of alcohol interferes with the metabolism of the substance, inhibiting it. Ethanol consumption (0.8 g/kg) before a 4-hour exposure to xylene vapours (145 and 280 ppm) causes a 50% reduction in the excretion of methyl hippuric acid, whereas the concentration of xylenes in the blood increases approx. 1.5-2 times. At the same time there is an increase in the secondary side effects of the ethanol. The metabolism of the xylenes is increased by phenobarbital and 3-methyl-colantrene type enzyme inducers. Aspirin and xylenes mutually inhibit their conjugation with the glycine, which results in a decrease in urinary excretion of methyl hippuric acid. Other industrial products can interfere with the metabolism of xylenes. |  |                                         |
| N-BUTYL ACETATE<br>A case of acute intoxication been reported involving a 33 year old worker while cleaning a tank with a preparation containing xylenes, butyl acetate and ethylene glycol acetate. The person had irritation of the conjunctiva and upper respiratory tract, drowsiness and motor coordination disorders, which disappeared within 5 hours. The symptoms are attributed to poisoning by mixed xylenes and butyl acetate, with a possible synergistic effect responsible for the neurological effects. Cases of vacuolar keratitis are reported in workers exposed to a mixture of butyl acetate and isobutanol vapours, but with uncertainty concerning the responsibility of a particular solvent (INRC, 2011).                                 |  |                                         |
| <u>ACUTE TOXICITY</u><br>ATE (Inhalation - vapours) of the mixture: > 20 mg/l<br>ATE (Oral) of the mixture: >2000 mg/kg<br>ATE (Dermal) of the mixture: >2000 mg/kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                         |
| TITANIUM DIOXIDE<br>LD50 (Oral): > 5000 mg/l Ratto/Rat<br>LC50 (Inhalation mists/powders): > 6,82 mg/l Ratto/Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                         |
| 2-ETHOXY-1-METHYLETHYL ACETATE<br>LD50 (Dermal): 13,42 ml/Kg Coniglio / Rabbit<br>LD50 (Oral): > 5000 mg/kg Ratto / Rat<br>LC50 (Inhalation vapours): 6,99 mg/l/4h Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                         |
| XYLENE<br>LD50 (Dermal): 4350 mg/kg Rabbit<br>ATE (Dermal): 1100 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)<br><br>LD50 (Oral): 3523 mg/kg Rat<br>LC50 (Inhalation vapours): 11,58 mg/l/4h Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |
| DPnB<br>LD50 (Dermal): 5330 mg/kg Coniglio - Rabbit<br>LD50 (Oral): 3700 mg/kg Ratto - Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                         |
| BUTYLGLYCOL ACETATE<br>ATE (Dermal): 1100 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)<br><br>ATE (Oral): 500 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)<br><br>LC50 (Inhalation vapours): > 2,66 mg/l/4h Rat<br>ATE (Inhalation vapours): 11 mg/l estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)                                                                                                                                                                                                         |  |                                         |
| Dioxide is chemically prepared silicon<br>LC50 (Inhalation mists/powders): 5 mg/l/1h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                         |
| CYCLOHEXANONE<br>ATE (Dermal): 1100 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)<br><br>LD50 (Oral): 1890 mg/kg Rat<br>LC50 (Inhalation vapours): > 6,2 mg/l/4h Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                         |

|                                                                                                                                              |  |                                         |
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| ATE (Inhalation vapours):                                                                                                                    |  |                                         |
| 11 mg/l estimate from table 3.1.2 of Annex I of the CLP<br>(figure used for calculation of the acute toxicity estimate of the mixture)       |  |                                         |
| 2-METHOXY-1-METHYLETHYL ACETATE                                                                                                              |  |                                         |
| LD50 (Dermal):                                                                                                                               |  |                                         |
| > 5000 mg/kg Coniglio / Rabbit                                                                                                               |  |                                         |
| LD50 (Oral):                                                                                                                                 |  |                                         |
| 8500 mg/kg Ratto / Rat                                                                                                                       |  |                                         |
| LC50 (Inhalation vapours):                                                                                                                   |  |                                         |
| 4345 ppm/6h Ratto / Rat                                                                                                                      |  |                                         |
| ETHYLBENZENE                                                                                                                                 |  |                                         |
| LD50 (Dermal):                                                                                                                               |  |                                         |
| 15354 mg/kg Rabbit                                                                                                                           |  |                                         |
| LD50 (Oral):                                                                                                                                 |  |                                         |
| 3500 mg/kg Rat                                                                                                                               |  |                                         |
| LC50 (Inhalation vapours):                                                                                                                   |  |                                         |
| 17,2 mg/l/4h Rat                                                                                                                             |  |                                         |
| CHLOROBENZENE                                                                                                                                |  |                                         |
| LD50 (Oral):                                                                                                                                 |  |                                         |
| > 2000 mg/kg Rat                                                                                                                             |  |                                         |
| LC50 (Inhalation vapours):                                                                                                                   |  |                                         |
| 15,5 mg/l/4h Rat                                                                                                                             |  |                                         |
| AROMATIC HYDROCARBONS, C9                                                                                                                    |  |                                         |
| LD50 (Dermal):                                                                                                                               |  |                                         |
| > 3160 mg/kg Ratto / Rat                                                                                                                     |  |                                         |
| LD50 (Oral):                                                                                                                                 |  |                                         |
| 3492 mg/kg Ratto / Rat                                                                                                                       |  |                                         |
| LC50 (Inhalation vapours):                                                                                                                   |  |                                         |
| > 6193 mg/l/4h Ratto / Rat                                                                                                                   |  |                                         |
| N-BUTYL ACETATE                                                                                                                              |  |                                         |
| LD50 (Dermal):                                                                                                                               |  |                                         |
| > 14000 mg/kg Rabbit                                                                                                                         |  |                                         |
| LD50 (Oral):                                                                                                                                 |  |                                         |
| > 10000 mg/kg Rat                                                                                                                            |  |                                         |
| LC50 (Inhalation vapours):                                                                                                                   |  |                                         |
| > 21 mg/l/4h Rat                                                                                                                             |  |                                         |
| <u>SKIN CORROSION / IRRITATION</u>                                                                                                           |  |                                         |
| Does not meet the classification criteria for this hazard class                                                                              |  |                                         |
| <u>SERIOUS EYE DAMAGE / IRRITATION</u>                                                                                                       |  |                                         |
| Causes serious eye irritation                                                                                                                |  |                                         |
| <u>RESPIRATORY OR SKIN SENSITISATION</u>                                                                                                     |  |                                         |
| Does not meet the classification criteria for this hazard class                                                                              |  |                                         |
| <u>GERM CELL MUTAGENICITY</u>                                                                                                                |  |                                         |
| Does not meet the classification criteria for this hazard class                                                                              |  |                                         |
| <u>CARCINOGENICITY</u>                                                                                                                       |  |                                         |
| Does not meet the classification criteria for this hazard class                                                                              |  |                                         |
| XYLENE                                                                                                                                       |  |                                         |
| Classified in Group 3 (not classifiable as a human carcinogen) by the International Agency for Research on Cancer (IARC).                    |  |                                         |
| The US Environmental Protection Agency (EPA) affirms that "the data is inadequate for an assessment of the carcinogenic potential".          |  |                                         |
| ETHYLBENZENE                                                                                                                                 |  |                                         |
| Classified in Group 2B (possible human carcinogen) by the International Agency for Research on Cancer (IARC) - (IARC, 2000).                 |  |                                         |
| Classified in Group D (not classifiable as a human carcinogen) by the US Environmental Protection Agency (EPA) - (US EPA file on-line 2014). |  |                                         |
| <u>REPRODUCTIVE TOXICITY</u>                                                                                                                 |  |                                         |

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

|                                   |                                                    |
|-----------------------------------|----------------------------------------------------|
| DPnB                              |                                                    |
| LC50 - for Fish                   | 841 mg/l/96h poecilia reticulata                   |
| EC50 - for Crustacea              | > 1000 mg/l/48h Daphnia magna                      |
| AROMATIC HYDROCARBONS, C9         |                                                    |
| LC50 - for Fish                   | > 9,2 mg/l/96h Oncorhynchus mykiss                 |
| EC50 - for Crustacea              | > 3,2 mg/l/48h Daphnia magna                       |
| EC50 - for Algae / Aquatic Plants | > 2,9 mg/l/72h Pseudokirchneriella subcapitata     |
| TITANIUM DIOXIDE                  |                                                    |
| LC50 - for Fish                   | > 10000 mg/l/96h Cypridonon variegatus             |
| 2-METHOXY-1-METHYLETHYL ACETATE   |                                                    |
| LC50 - for Fish                   | 134 mg/l/96h Pesce, Oncorhynchus mykiss OECD 203   |
| EC50 - for Crustacea              | > 500 mg/l/48h Daphnia magna                       |
| EC50 - for Algae / Aquatic Plants | > 1000 mg/l/72h Selenastrum capricornutum OECD 201 |
| Chronic NOEC for Fish             | 47,5 mg/l Oryzias latipes 14 gg OECD 204           |
| Chronic NOEC for Crustacea        | 100 mg/l Daphnia magna 21 gg OECD 202              |
| 2-ETHOXY-1-METHYLETHYL ACETATE    |                                                    |
| LC50 - for Fish                   | 140 mg/l/48h Oncorhynchus mykiss (test 48h)        |
| EC50 - for Crustacea              | 110 mg/l/48h Daphnia magna                         |
| EC50 - for Algae / Aquatic Plants | > 100 mg/l/72h Scenedesmus subspicatus             |

|                                            |                                                       |                                         |
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|                                            |                                                       |                                         |
| ETHYLBENZENE                               |                                                       |                                         |
| LC50 - for Fish                            | 4,2 mg/l/96h Oncorhynchus mykiss OECD TG 203          |                                         |
| EC50 - for Crustacea                       | 2,4 mg/l/48h Daphnia magna (database Ecotox)          |                                         |
| EC50 - for Algae / Aquatic Plants          | 3,6 mg/l/72h Pseudokirchneriella subcapitata (IUCLID) |                                         |
|                                            |                                                       |                                         |
| CHLOROBENZENE                              |                                                       |                                         |
| LC50 - for Fish                            | 7,72 mg/l/96h Pimephales promelas                     |                                         |
|                                            |                                                       |                                         |
| CYCLOHEXANONE                              |                                                       |                                         |
| LC50 - for Fish                            | 527 mg/l/96h 527 - 732 / Pimephales promelas          |                                         |
| EC50 - for Crustacea                       | > 100 mg/l/48h Daphnia magna                          |                                         |
| EC50 - for Algae / Aquatic Plants          | > 100 mg/l/72h Scenedesmus subspicatus                |                                         |
|                                            |                                                       |                                         |
| N-BUTYL ACETATE                            |                                                       |                                         |
| LC50 - for Fish                            | 18 mg/l/96h Pimephales promelas                       |                                         |
| EC50 - for Crustacea                       | 44 mg/l/48h Daphnia Magna                             |                                         |
| EC10 for Algae / Aquatic Plants            | 674,7 mg/l/72h Desmodesmus subspicatus                |                                         |
| Chronic NOEC for Crustacea                 | 23 mg/l 21d/ Daphnia magna                            |                                         |
|                                            |                                                       |                                         |
| BUTYLGLYCOL ACETATE                        |                                                       |                                         |
| LC50 - for Fish                            | > 20 mg/l/96h Fish 20-40 mg/kg (48h)                  |                                         |
| EC50 - for Crustacea                       | 145 mg/l/24h Daphnia Magna (24h)                      |                                         |
| EC50 - for Algae / Aquatic Plants          | 1570 mg/l/72h Scenedesmus subspicatus                 |                                         |
| <b>12.2. Persistence and degradability</b> |                                                       |                                         |
|                                            |                                                       |                                         |
| DPnB                                       |                                                       |                                         |
| Entirely degradable                        |                                                       |                                         |
|                                            |                                                       |                                         |
| AROMATIC HYDROCARBONS, C9                  |                                                       |                                         |
| Rapidly degradable                         |                                                       |                                         |
| XYLENE                                     |                                                       |                                         |
| Solubility in water                        | 100 - 1000 mg/l                                       |                                         |
| Rapidly degradable                         |                                                       |                                         |
| 2-METHOXY-1-METHYLETHYL ACETATE            |                                                       |                                         |
| Solubility in water                        | > 10000 mg/l                                          |                                         |
| Rapidly degradable                         |                                                       |                                         |
| OECD GI 301F 83% 10 d                      |                                                       |                                         |
| 2-ETHOXY-1-METHYLETHYL ACETATE             |                                                       |                                         |
| Solubility in water                        | > 10000 mg/l                                          |                                         |
| Rapidly degradable                         |                                                       |                                         |
| Activated sludge - 89%/15 d - 100%/28 d    |                                                       |                                         |
| ETHYLBENZENE                               |                                                       |                                         |
| Solubility in water                        | 200 mg/l ECHA 2018/05/18                              |                                         |
| Rapidly degradable                         |                                                       |                                         |
| CHLOROBENZENE                              |                                                       |                                         |
| Solubility in water                        | 100 - 1000 mg/l                                       |                                         |
| NOT rapidly degradable                     |                                                       |                                         |

|                                        |            |                                         |
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| CYCLOHEXANONE                          |            |                                         |
| Solubility in water                    | 86 mg/l    |                                         |
| Rapidly degradable                     |            |                                         |
| N-BUTYL ACETATE                        |            |                                         |
| Solubility in water                    | 5,3 mg/l   |                                         |
| Rapidly degradable                     |            |                                         |
| BUTYLGLYCOL ACETATE                    |            |                                         |
| Solubility in water                    | 15000 mg/l |                                         |
| Rapidly degradable                     |            |                                         |
| Dioxide is chemically prepared silicon |            |                                         |
| Solubility in water                    | 1 mg/l     |                                         |
| <b>12.3. Bioaccumulative potential</b> |            |                                         |
| DPnB                                   |            |                                         |
| Partition coefficient: n-octanol/water | 1,523      |                                         |
| XYLENE                                 |            |                                         |
| Partition coefficient: n-octanol/water | 3,12       |                                         |
| BCF                                    | 25,9       |                                         |
| 2-METHOXY-1-METHYLETHYL ACETATE        |            |                                         |
| Partition coefficient: n-octanol/water | 1,2        |                                         |
| BCF                                    | 100        |                                         |
| 2-ETHOXY-1-METHYLETHYL ACETATE         |            |                                         |
| Partition coefficient: n-octanol/water | 0,76       |                                         |
| BCF                                    | 3,162      |                                         |
| ETHYLBENZENE                           |            |                                         |
| Partition coefficient: n-octanol/water | 3,6        |                                         |
| CHLOROBENZENE                          |            |                                         |
| Partition coefficient: n-octanol/water | 3          |                                         |
| CYCLOHEXANONE                          |            |                                         |
| Partition coefficient: n-octanol/water | 0,86       |                                         |
| N-BUTYL ACETATE                        |            |                                         |
| Partition coefficient: n-octanol/water | 2,3        |                                         |
| BCF                                    | 15,3       |                                         |
| BUTYLGLYCOL ACETATE                    |            |                                         |
| Partition coefficient: n-octanol/water | 1,51       |                                         |
| Diacetoxyp propane                     |            |                                         |

Partition coefficient: n-octanol/water 3

12.4. Mobility in soil

|                                   |      |
|-----------------------------------|------|
| XYLENE                            |      |
| Partition coefficient: soil/water | 2,73 |
| 2-METHOXY-1-METHYLETHYL ACETATE   |      |
| Partition coefficient: soil/water | 1,7  |
| 2-ETHOXY-1-METHYLETHYL ACETATE    |      |
| Partition coefficient: soil/water | 1    |
| CHLOROBENZENE                     |      |
| Partition coefficient: soil/water | 2,42 |
| CYCLOHEXANONE                     |      |
| Partition coefficient: soil/water | 1,18 |
| N-BUTYL ACETATE                   |      |
| Partition coefficient: soil/water | < 3  |

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.  
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.  
Waste transportation may be subject to ADR restrictions.  
The management of waste arising from the use or dispersal of this product must be organised in accordance with occupational safety regulations. See section 8 for possible need for PPE.  
CONTAMINATED PACKAGING  
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

14.1. UN number or ID number

ADR / RID, IMDG, IATA: UN 1210

14.2. UN proper shipping name

ADR / RID: PRINTING INK or PRINTING INK RELATED MATERIAL  
IMDG: PRINTING INK or PRINTING INK RELATED MATERIAL  
IATA: PRINTING INK or PRINTING INK RELATED MATERIAL

14.3. Transport hazard class(es)

ADR / RID: Class: 3 Label: 3  
IMDG: Class: 3 Label: 3  
IATA: Class: 3 Label: 3



14.4. Packing group

ADR / RID, IMDG, IATA: III

14.5. Environmental hazards

ADR / RID: NO  
IMDG: not marine pollutant  
IATA: NO

14.6. Special precautions for user

|            |                             |                          |                                |
|------------|-----------------------------|--------------------------|--------------------------------|
| ADR / RID: | HIN - Kemler: 30            | Limited Quantities: 5 It | Tunnel restriction code: (D/E) |
|            | Special provision: 163, 367 |                          |                                |
| IMDG:      | EMS: F-E, S-D               | Limited Quantities: 5 It |                                |
| IATA:      | Cargo:                      | Maximum quantity: 220 L  | Packaging instructions: 366    |
|            | Passengers:                 | Maximum quantity: 60 L   | Packaging instructions: 355    |
|            | Special provision:          | A3, A72, A192            |                                |

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EU: P5c

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 3 - 40

Contained substance

|       |    |                                                 |
|-------|----|-------------------------------------------------|
| Point | 75 | CYCLOHEXANONE REACH Reg.: 01-2119453616-35-xxxx |
| Point | 75 | XYLENE REACH Reg.: 01-2119488216-32-xxxx        |
| Point | 75 | CHLOROBENZENE REACH Reg.: 01-2119432722-45-xxxx |
| Point | 75 | BUTAN-1-OL REACH Reg.: 01-2119484630-38         |
| Point | 75 | TITANIUM DIOXIDE                                |

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage  $\geq$  than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

|                                       |                                                                                   |
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#### Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

#### 15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

### SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

|                          |                                                                    |
|--------------------------|--------------------------------------------------------------------|
| <b>Flam. Liq. 2</b>      | Flammable liquid, category 2                                       |
| <b>Flam. Liq. 3</b>      | Flammable liquid, category 3                                       |
| <b>Acute Tox. 4</b>      | Acute toxicity, category 4                                         |
| <b>Asp. Tox. 1</b>       | Aspiration hazard, category 1                                      |
| <b>STOT RE 2</b>         | Specific target organ toxicity - repeated exposure, category 2     |
| <b>Eye Dam. 1</b>        | Serious eye damage, category 1                                     |
| <b>Eye Irrit. 2</b>      | Eye irritation, category 2                                         |
| <b>Skin Irrit. 2</b>     | Skin irritation, category 2                                        |
| <b>STOT SE 3</b>         | Specific target organ toxicity - single exposure, category 3       |
| <b>Aquatic Chronic 2</b> | Hazardous to the aquatic environment, chronic toxicity, category 2 |
| <b>Aquatic Chronic 3</b> | Hazardous to the aquatic environment, chronic toxicity, category 3 |
| <b>H225</b>              | Highly flammable liquid and vapour.                                |
| <b>H226</b>              | Flammable liquid and vapour.                                       |
| <b>H302</b>              | Harmful if swallowed.                                              |
| <b>H312</b>              | Harmful in contact with skin.                                      |
| <b>H332</b>              | Harmful if inhaled.                                                |
| <b>H304</b>              | May be fatal if swallowed and enters airways.                      |
| <b>H373</b>              | May cause damage to organs through prolonged or repeated exposure. |
| <b>H318</b>              | Causes serious eye damage.                                         |
| <b>H319</b>              | Causes serious eye irritation.                                     |
| <b>H315</b>              | Causes skin irritation.                                            |
| <b>H335</b>              | May cause respiratory irritation.                                  |
| <b>H336</b>              | May cause drowsiness or dizziness.                                 |
| <b>H411</b>              | Toxic to aquatic life with long lasting effects.                   |
| <b>H412</b>              | Harmful to aquatic life with long lasting effects.                 |
| <b>EUH066</b>            | Repeated exposure may cause skin dryness or cracking.              |

#### LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008

|                                                             |                                                                                                  |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
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- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

#### GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
  2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
  3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
  4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
  5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
  6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
  7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
  8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
  9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
  10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
  11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
  12. Regulation (EU) 2016/1179 (IX Atp. CLP)
  13. Regulation (EU) 2017/776 (X Atp. CLP)
  14. Regulation (EU) 2018/669 (XI Atp. CLP)
  15. Regulation (EU) 2019/521 (XII Atp. CLP)
  16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
  17. Regulation (EU) 2019/1148
  18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
  19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
  20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
  21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
  22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
  23. Delegated Regulation (UE) 2023/707
  24. Delegated Regulation (UE) 2023/1434 (XIX Atp. CLP)
  25. Delegated Regulation (UE) 2023/1435 (XX Atp. CLP)
  26. Delegated Regulation (UE) 2024/197 (XXI Atp. CLP)
- The Merck Index. - 10th Edition
  - Handling Chemical Safety
  - INRS - Fiche Toxicologique (toxicological sheet)
  - Patty - Industrial Hygiene and Toxicology
  - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
  - IFA GESTIS website
  - ECHA website
  - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

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|---------------------------------------|-----------------------------------------------------------------------------------|
| <b>COMEC ITALIA SRL</b>               | Revision nr. 6<br>Dated 21/01/2025                                                |
| <b>PLT 20 NEW WHITE: 160, 160 HD,</b> | Printed on 27/05/2025<br>Page n. 30/30<br>Replaced revision:5 (Dated: 06/04/2023) |

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

**CALCULATION METHODS FOR CLASSIFICATION**

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

For information on any exposure scenarios of the substances present in the mixture, contact Sericom Italia srl.

Changes to previous review:

The following sections were modified:

01 / 02 / 03 / 04 / 07 / 08 / 10 / 11 / 12 / 13 / 14 / 15.