

Safety Data Sheet

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

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

1.1. Product identifier

Product name
UFI :

PLT 7 METAL: 79-050,
6XC0-90D8-Y00U-M51A

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 ANTIVELENI OSPEDALE NIGUARDA MILANO Tel. 02/66101029 (24/24h) -
CENTRO ANTIVELENI POLICLINICO A.GEMELL ROMA Tel. 06/3054343 (24/24h) -

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 | H226 | Flammable liquid and vapour. |
| Aspiration hazard, category 1 | H304 | May be fatal if swallowed and enters airways. |
| Hazardous to the aquatic environment, chronic toxicity, category 3 | H412 | Harmful to aquatic life with long lasting effects. |

2.2. Label elements

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

Hazard pictograms:



Signal words: Danger

Hazard statements:

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P331 Do NOT induce vomiting.
P280 Wear protective gloves/ protective clothing / eye protection / face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER.
P370+P378 In case of fire: use chemical powder, CO2 or dry send to extinguish.
P273 Avoid release to the environment.

Contains: XYLENE (MIXTURE OF ISOMERS)
 NAPHTHA (PETROL.) HYDROTREATED HEAVY
 AROMATIC HYDROCARBONS, C9
 ETHYLBENZENE

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

4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer
 Reaction product of BPA; possible contamination <0.05%

3.2. Mixtures

Contains:

| Identification | x = Conc. % | Classification (EC) 1272/2008 (CLP) |
|---------------------------------|--------------------|---|
| BUTYLGLYCOL ACETATE | | |
| INDEX 607-038-00-2 | $18 \leq x < 19,5$ | Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332 |
| EC 203-933-3 | | LD50 Oral: 1880 mg/kg, LD50 Dermal: 1500 mg/kg, STA Inhalation vapours: 11 mg/l |
| CAS 112-07-2 | | |
| REACH Reg. 01-2119475112-47xxxx | | |

**ALUMINIUM POWDER
(STABILIZED)**

INDEX 013-002-00-1 10,5 ≤ x < 12 Flam. Sol. 1 H228, Classification note according to Annex VI to the CLP
Regulation: T

EC 231-072-3

CAS 7429-90-5

REACH Reg. 01-2119529243-45

**2-METHOXY-1-METHYLETHYL
ACETATE**

INDEX 607-195-00-7 7 ≤ x < 8 Flam. Liq. 3 H226, STOT SE 3 H336

EC 203-603-9

CAS 108-65-6

REACH Reg. 01-2119475791-29-

xxxx

XYLENE (MIXTURE OF ISOMERS)

INDEX 601-022-00-9 6 ≤ x < 7 Flam. Liq. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Asp. Tox. 1 H304,
STOT RE 2 H373, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335,
Aquatic Chronic 3 H412, Classification note according to Annex VI to the CLP
Regulation: C

EC 215-535-7

CAS 1330-20-7

REACH Reg. 01-2119488216-32-

xxxx

AROMATIC HYDROCARBONS, C9

INDEX - 2 ≤ x < 2,5 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-

xxxx

**NAPHTHA (PETROL.)
HYDROTREATED HEAVY**

INDEX 649-327-00-6 2 ≤ x < 2,5 Flam. Liq. 3 H226, Asp. Tox. 1 H304, Classification note according to Annex
VI to the CLP Regulation: P

EC 265-150-3

CAS 64742-48-9

REACH Reg. 01-2119463258-33-

0009

ETHYLBENZENE

INDEX 601-023-00-4 1,5 ≤ x < 2 Flam. Liq. 2 H225, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373
LC50 Inhalation vapours: 17,2 mg/l/4h

EC 202-849-4

CAS 100-41-4

REACH Reg. 01-2119489370-35-

xxxx

UOP-L Paste

INDEX - 0,9 ≤ x < 1 Substance with a community workplace exposure limit.

EC 930-915-9

CAS 1318-02-1

REACH Reg. 01-2119429034-49

4,4'-ISOPROPYLIDENEDIPHENOL

INDEX 604-030-00-0 0 ≤ x < 0,01 Repr. 1B H360F, Eye Dam. 1 H318, STOT SE 3 H335, Skin Sens. 1 H317,
Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=10

EC 201-245-8

CAS 80-05-7

REACH Reg. 2119457856-23-xxxx

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

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

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

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

Information not available

SECTION 5. Firefighting measures

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 ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. 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.

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 | Nariadení vlády č. 41/2020 Sb. Nariadení vlády, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů |
| DEU | Deutschland | Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56 |
| DNK | Danmark | Bekendtgørelse om grænseværdier for stoffer og materialer - BEK nr 1458 af 13/12/2019 |

COMEC ITALIA SRL

Revision nr. 3

Dated 25/01/2023

PLT 7 METAL: 79-050,

Printed on 27/01/2023

Page n. 6/24

Replaced revision:2 (Dated: 08/03/2021)

| | | |
|-----|----------------|--|
| ESP | España | Límites de exposición profesional para agentes químicos en España 2021 |
| FRA | France | Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS |
| 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 |
| 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 2021 |

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 (C) | 20 (C) | SKIN 11 |
| MAK | DEU | 66 | 10 | 132 | 20 | SKIN Hinweis |
| TLV | DNK | 134 | 20 | | | 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

COMEC ITALIA SRL

Revision nr. 3

Dated 25/01/2023

PLT 7 METAL: 79-050,

Printed on 27/01/2023

Page n. 7/24

Replaced revision:2 (Dated: 08/03/2021)

| Route of exposure | Effects on consumers | | | | Effects on workers | | | |
|-------------------|----------------------|----------------|---------------|------------------|--------------------|----------------|---------------|------------------|
| | 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 |

ALUMINIUM POWDER (STABILIZED)

Threshold Limit Value

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|--|---------|--------|-----|------------|-----|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| TLV | BGR | 2 | | | | |
| MAK | DEU | 4 | | | | INHAL |
| MAK | DEU | 1,5 | | | | RESP |
| TLV | DNK | 5 | | | | |
| TLV | DNK | 2 | | | | RESP |
| VLA | ESP | 1 | | | | RESP |
| VLEP | FRA | 5 | | | | |
| NDS/NDSch | POL | 2,5 | | | | INHAL |
| NGV/KGV | SWE | 5 | | | | Som Al, Totaldamm |
| NGV/KGV | SWE | 2 | | | | RESP Som Al |
| WEL | GBR | 10 | | | | INHAL |
| WEL | GBR | 4 | | | | RESP |
| TLV-ACGIH | | 1 | 0,9 | | | RESP Al |
| Predicted no-effect concentration - PNEC | | | | | | |
| Normal value in fresh water | | | | 0,0749 | | mg/l |
| Normal value of STP microorganisms | | | | 20 | | mg/l |

Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers | | | | Effects on workers | | | |
|-------------------|----------------------|----------------|---------------|------------------|--------------------|----------------|---------------|------------------|
| | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral | | | | 3,95 mg/kg bw/d | | | | |
| Inhalation | | | | | | | 3,72 mg/m3 | 3,72 mg/m3 |

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 | |
| MAK | DEU | 270 | 50 | 270 | 50 | |
| TLV | DNK | 275 | 50 | | | SKIN E |
| VLA | ESP | 275 | 50 | 550 | 100 | SKIN |
| VLEP | FRA | 275 | 50 | 550 | 100 | SKIN |
| VLEP | ITA | 275 | 50 | 550 | 100 | SKIN |

COMEC ITALIA SRL

Revision nr. 3

Dated 25/01/2023

PLT 7 METAL: 79-050,

Printed on 27/01/2023

Page n. 8/24

Replaced revision:2 (Dated: 08/03/2021)

| | | | | | | |
|-----------|-----|-----|----|-----|-----|------|
| 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 | | | | | | | | |
| | 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 | 1,67 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 |

XYLENE (MIXTURE OF ISOMERS)
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 | 440 | 100 | 880 | 200 | SKIN |
| MAK | DEU | 440 | 100 | 880 | 200 | SKIN |
| TLV | DNK | 109 | 25 | | | SKIN E |
| VLA | ESP | 221 | 50 | 442 | 100 | SKIN |
| VLEP | FRA | 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 |

COMEC ITALIA SRL

Revision nr. 3

Dated 25/01/2023

PLT 7 METAL: 79-050,

Printed on 27/01/2023

Page n. 9/24

Replaced revision:2 (Dated: 08/03/2021)

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 |
| 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

| Route of exposure | Effects on consumers | | | | Effects on workers | | | |
|-------------------|----------------------|----------------|---------------|------------------|--------------------|----------------|---------------|------------------|
| | 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 |

NAPHTHA (PETROL.) HYDROTREATED HEAVY

Threshold Limit Value

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|-----------|---------|--------|-----|------------|-----|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| MAK | DEU | 300 | 50 | 600 | 100 | |
| NDS/NDSCh | POL | 300 | | 900 | | |

Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers | | | | Effects on workers | | | |
|-------------------|----------------------|----------------|---------------|------------------|--------------------|----------------|---------------|------------------|
| | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral | | | VND | 300 mg/kg | | | | |
| Inhalation | | | VND | 900 mg/m3 | | | | 1500 mg/m3 |
| Skin | | | VND | 300 mg/kg | | | VND | 300 mg/kg |

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 |
| OEL | EU | 100 | 20 | | | 1,2,3 trimetilbenzene |
| TLV-ACGIH | | | 25 | | | 1,2,3 trimetilbenzene |

Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers | | | | Effects on workers | | | |
|-------------------|----------------------|----------------|---------------|------------------|--------------------|----------------|---------------|------------------|
| | 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 |

ETHYLBENZENE

Threshold Limit Value

COMEC ITALIA SRL

Revision nr. 3

Dated 25/01/2023

PLT 7 METAL: 79-050,

Printed on 27/01/2023

Page n. 10/24

Replaced revision:2 (Dated: 08/03/2021)

| 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 | | | SKIN E |
| VLA | ESP | 441 | 100 | 884 | 200 | SKIN |
| VLEP | FRA | 88,4 | 20 | 442 | 100 | 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 |
| 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 |

UOP-L Paste

Threshold Limit Value

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|------|---------|--------|-----|------------|-----|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| OEL | EU | 1 | | | | RESP |

HYDROM HYDROPHONE SILICATE

Threshold Limit Value

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|------|---------|--------|-----|------------|-----|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 4 | | | | INHAL |
| MAK | DEU | 4 | | | | INHAL |

4,4'-ISOPROPYLIDENEDIPHENOL

Threshold Limit Value

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|-----------|---------|--------|-----|------------|-----|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| TLV | BGR | 2 | | | | INHAL |
| TLV | CZE | 2 | | 5 | | INHAL |
| AGW | DEU | 5 | | 5 (C) | | INHAL |
| TLV | DNK | 2 | | | | E |
| VLEP | FRA | 2 | | | | |
| VLEP | ITA | 2 | | | | INHAL |
| VLEP | ITA | 2 | | | | SKIN |
| TGG | NLD | 2 | | | | INHAL |
| VLE | PRT | 2 | | | | INHAL |
| NDS/NDSch | POL | 2 | | | | INHAL |
| TLV | ROU | 2 | | | | INHAL |
| ESD | TUR | 10 | | | | |
| WEL | GBR | 2 | | | | |
| OEL | EU | 2 | | | | INHAL |

| Predicted no-effect concentration - PNEC | | |
|--|--|------------|
| Normal value in fresh water | | 0,018 mg/l |
| Normal value in marine water | | 0,016 mg/l |
| Normal value of STP microorganisms | | 320 mg/l |
| Normal value for the terrestrial compartment | | 3,7 mg/kg |

| Health - Derived no-effect level - DNEL / DMEL | | | | | | | | |
|--|----------------------|----------------|---------------|--------------------|-------------|-----------------|---------------|------------------|
| Route of exposure | Effects on consumers | | | Effects on workers | | | | |
| | Acute local | Acute systemic | Chronic local | Chronic systemic | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral | | | | | | 0,05 mg/kg bw/d | | 0,05 mg/kg bw/d |
| Inhalation | 5 mg/m3 | 5 mg/m3 | 5 mg/m3 | 0,25 mg/m3 | | 10 mg/m3 | | 10 mg/m3 |
| Skin | | 0,7 mg/kg bw/d | | 0,7 mg/kg bw/d | | 1,4 mg/kg bw/d | | 1,4 mg/kg bw/d |

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.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

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 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, 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). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

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. The protection provided by masks is in any case limited.

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 standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

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

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Properties | Value | Information |
|--|--------------------|-------------|
| Appearance | liquid | |
| Colour | various | |
| Odour | typical of solvent | |
| Melting point / freezing point | not available | |
| Initial boiling point | not available | |
| Flammability | not available | |
| Lower explosive limit | not available | |
| Upper explosive limit | not available | |
| Flash point | 23 ≤ T ≤ 60 °C | |
| Auto-ignition temperature | not available | |
| Decomposition temperature | not available | |
| pH | not available | |
| Kinematic viscosity | not available | |
| Solubility | not available | |
| Partition coefficient: n-octanol/water | not available | |
| Vapour pressure | not available | |
| Density and/or relative density | 1,14 | |
| 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

VOC (Directive 2010/75/EU) 39,13 % - 445,12 g/litre

SECTION 10. Stability and reactivity

10.1. Reactivity

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

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.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

2-METHOXY-1-METHYLETHYL ACETATE

May react violently with: oxidising substances, strong acids, alkaline metals.

XYLENE (MIXTURE OF ISOMERS)

Stable in normal conditions of use and storage. Reacts violently with: strong oxidants, strong acids, nitric acid, perchlorates. May form explosive mixtures with: air.

ETHYLBENZENE

Reacts violently with: strong oxidants. Attacks various types of plastic materials. May form explosive mixtures with: air.

10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

10.5. Incompatible materials

2-METHOXY-1-METHYLETHYL ACETATE

Incompatible with: oxidising substances, strong acids, alkaline metals.

10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

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

2-METHOXY-1-METHYLETHYL ACETATE

WORKERS: inhalation; contact with the skin.

XYLENE (MIXTURE OF ISOMERS)

WORKERS: inhalation; contact with the skin.

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

ETHYLBENZENE

WORKERS: inhalation; contact with the skin.

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

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

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).

XYLENE (MIXTURE OF ISOMERS)

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

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 (Isipesl). Is irritating for skin, conjunctiva and respiratory tract.

Interactive effects

XYLENE (MIXTURE OF ISOMERS)

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.

ACUTE TOXICITY

| | |
|--|-------------|
| ATE (Inhalation - vapours) of the mixture: | > 20 mg/l |
| ATE (Oral) of the mixture: | >2000 mg/kg |
| ATE (Dermal) of the mixture: | >2000 mg/kg |

polyester polyol

| | |
|--------------|--------------------------|
| LD50 (Oral): | > 2000 mg/kg Ratto / Rat |
|--------------|--------------------------|

BUTYLGLYCOL ACETATE

| | |
|----------------------------|--|
| LD50 (Dermal): | 1500 mg/kg Coniglio / Rabbit |
| LD50 (Oral): | 1880 mg/kg Ratto / Rat |
| LC50 (Inhalation vapours): | 0,4 mg/l/4h Ratto - Rat |
| STA (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) |

4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer

| | |
|----------------|--------------------------|
| LD50 (Dermal): | > 2000 mg/kg Ratto / Rat |
| LD50 (Oral): | > 2000 mg/kg Ratto / Rat |

ALUMINIUM POWDER (STABILIZED)

| | |
|----------------------------------|---------------------------|
| LC50 (Inhalation mists/powders): | > 5 mg/l Ratto / Rat (4h) |
|----------------------------------|---------------------------|

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 |

XYLENE (MIXTURE OF ISOMERS)

LD50 (Dermal): 4350 mg/kg Rabbit
 STA (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)

LD50 (Oral): 3523 mg/kg Rat
 LC50 (Inhalation vapours): 11,58 mg/l/4h Rat

NAPHTHA (PETROL.) HYDROTREATED HEAVY

LD50 (Dermal): > 2000 mg/kg Rabbit
 LD50 (Oral): > 5000 mg/kg 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

ETHYLBENZENE

LD50 (Dermal): 15354 mg/kg Rabbit
 LD50 (Oral): 3500 mg/kg Rat
 LC50 (Inhalation vapours): 17,2 mg/l/4h Rat

4,4'-ISOPROPYLIDENEDIPHENOL

LD50 (Dermal): 3000 mg/kg Rabbit
 LD50 (Oral): 5000 mg/kg

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

XYLENE (MIXTURE OF ISOMERS)

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).

REPRODUCTIVE TOXICITY

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

Toxic for aspiration

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

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment.

12.1. Toxicity

polyester polyol

LC50 - for Fish > 100 mg/l/96h Danio rerio

EC50 - for Crustacea > 100 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 |

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 |

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) |

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 |

NAPHTHA (PETROL.) HYDROTREATED HEAVY

| | |
|-----------------------------------|--|
| LC50 - for Fish | > 1000 mg/l/96h Oncorhynchus mykiss |
| EC50 - for Crustacea | > 1000 mg/l/48h Daphnia magna |
| EC50 - for Algae / Aquatic Plants | > 1000 mg/l/72h Pseudokirchnerella subcapitata |

4,4'-ISOPROPYLIDENEDIPHENOL

| | |
|----------------------------|--------------------------------|
| LC50 - for Fish | 9,4 mg/l/96h Menidia menidia |
| EC50 - for Crustacea | 10,2 mg/l/48h Daphnia magna |
| Chronic NOEC for Fish | 0,016 mg/l Pimephales promelas |
| Chronic NOEC for Crustacea | 1,8 mg/l Daphnia magna |

12.2. Persistence and degradability

polyester polyol
NOT rapidly degradable

AROMATIC HYDROCARBONS, C9

Rapidly degradable
ALUMINIUM POWDER (STABILIZED)

Solubility in water 0 mg/l
Degradability: information not available

XYLENE (MIXTURE OF ISOMERS)

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
ETHYLBENZENE

Solubility in water 200 mg/l ECHA 2018/05/18

Rapidly degradable
BUTYLGLYCOL ACETATE

Solubility in water 15000 mg/l

Rapidly degradable
NAPHTHA (PETROL.) HYDROTREATED
HEAVY

Rapidly degradable
4,4'-ISOPROPYLIDENEDIPHENOL

Solubility in water 301 mg/l

Rapidly degradable

12.3. Bioaccumulative potential

XYLENE (MIXTURE OF ISOMERS)

Partition coefficient: n-octanol/water 3,12

BCF 25,9

2-METHOXY-1-METHYLETHYL ACETATE

Partition coefficient: n-octanol/water 1,2

BCF 100

ETHYLBENZENE

Partition coefficient: n-octanol/water 3,6

BUTYLGLYCOL ACETATE

Partition coefficient: n-octanol/water 1,51

4,4'-ISOPROPYLIDENEDIPHENOL

Partition coefficient: n-octanol/water 3,4

BCF 73

12.4. Mobility in soil

XYLENE (MIXTURE OF ISOMERS)

Partition coefficient: soil/water 2,73

2-METHOXY-1-METHYLETHYL ACETATE

Partition coefficient: soil/water 1,7

NAPHTHA (PETROL.) HYDROTREATED
HEAVY

Partition coefficient: soil/water 1,78

4,4'-ISOPROPYLIDENEDIPHENOL

Partition coefficient: soil/water 2,95

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 \geq 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.

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: 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: NO
 IATA: NO

14.6. Special precautions for user

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

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

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:

| | |
|--------------------------|--|
| Flam. Liq. 2 | Flammable liquid, category 2 |
| Flam. Liq. 3 | Flammable liquid, category 3 |
| Flam. Sol. 1 | Flammable solid, category 1 |
| Repr. 1B | Reproductive toxicity, category 1B |
| Acute Tox. 4 | Acute toxicity, category 4 |
| Asp. Tox. 1 | Aspiration hazard, category 1 |
| STOT RE 2 | Specific target organ toxicity - repeated exposure, category 2 |
| Eye Dam. 1 | Serious eye damage, category 1 |
| Eye Irrit. 2 | Eye irritation, category 2 |
| Skin Irrit. 2 | Skin irritation, category 2 |
| STOT SE 3 | Specific target organ toxicity - single exposure, category 3 |
| Skin Sens. 1 | Skin sensitization, category 1 |
| Aquatic Acute 1 | Hazardous to the aquatic environment, acute toxicity, category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment, chronic toxicity, category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment, chronic toxicity, category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment, chronic toxicity, category 3 |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |

| | |
|---------------|--|
| H228 | Flammable solid. |
| H360F | May damage fertility. |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H332 | Harmful if inhaled. |
| H304 | May be fatal if swallowed and enters airways. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H315 | Causes skin irritation. |
| H335 | May cause respiratory irritation. |
| H317 | May cause an allergic skin reaction. |
| H336 | May cause drowsiness or dizziness. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH066 | 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
- 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 as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- 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 as for REACH Regulation
- 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)
- 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

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:

02 / 03 / 08 / 09 / 11 / 12 / 14 / 15 / 16.