Revision nr. 1

Dated 08/03/2024

First compilation

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Printed on 13/05/2024

PLT 47 WHITE: 160, 160 HD,

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

PLT 47 WHITE: BIANCHI, Product name

160, 160 HD,

UFI: 4RC3-E0HE-200T-P5Y2

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

COMEC ITALIA SRL Name Full address Piazzale del lavoro 149 District and Country 21044 Cavaria (VA)

ΙΤΔΙ ΙΔ

Tel. +39 0331 219516 Fax +39 0331 216161

e-mail address of the competent person

responsible for the Safety Data Sheet info@comec-italia.it Edgardo Baggini Supplier:

1.4. Emergency telephone number

For urgent inquiries refer to Centro Antiveleni di Milano 02 66101029

(Niguarda Ca Granda - Milano) Centro Antiveleni di Pavia 0382 24444

(Fondazione Maugeri - Pavia)

Centro Antiveleni di Bergamo 800 883300 (Papa Giovanni XXIII - Bergamo) Centro Antiveleni di Verona 800 011858

(AOUI - Verona) Centro Antiveleni di Firenze 055 7947819

(Careggi - Firenze)

Centro Antiveleni di Roma 06 3054343

(Agostino Gemelli - Roma)

Centro Antiveleni di Roma 06 49978000

(Umberto I - Roma)

Centro Antiveleni di Roma 06 68593726 (Ospedale pediatrico Bambino Gesu - Roma) Centro Antiveleni di Napoli 081 5453333

(Antonio Cardarelli - Napoli)

Centro Antiveleni di Foggia 800 183459 (Azienda ospedaliera universitaria - Foggia)

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

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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.

Specific target organ toxicity - repeated exposure, category 2 H373 May cause damage to organs through prolonged or repeated

exposure.

Serious eye damage, category 1 H318 Causes serious eye damage. Skin irritation, category 2 H315 Causes skin irritation.

Hazardous to the aquatic environment, chronic toxicity, H412 Harmful to aquatic life with long lasting effects.

category 3

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.

H373 May cause damage to organs through prolonged or repeated exposure.

H318 Causes serious eye damage. H315 Causes skin irritation.

H412 Harmful to aquatic life with long lasting effects.

EUH208 Contains: Essential oil sweet orange

May produce an allergic reaction.

Precautionary statements:

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

P331 Do NOT induce vomiting.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue

rinsing

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

P310 Immediately call a POISON CENTER or a doctor.

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

Contains: XYLENE (MIXTURE OF ISOMERS)

BUTANOL

ETHYLBENZENE CYCLOHEXANONE

2.3. Other hazards

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

The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:		
Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
TITANIUM DIOXIDE		
INDEX -	$40 \le x < 42,5$	
EC 236-675-5		
CAS 13463-67-7		
XYLENE (MIXTURE OF ISOMERS)		
INDEX 601-022-00-9	10,5 ≤ x < 12	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		STA Dermal: 1100 mg/kg, LC50 Inhalation vapours: 11,58 mg/l/4h
CAS 1330-20-7		
REACH Reg. 01-2119488216-32-		
BUTANOL		
INDEX 603-004-00-6	$3.5 \le x < 4$	Flam. Liq. 3 H226, Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335, STOT SE 3 H336
EC 200-751-6		STA Oral: 500 mg/kg
CAS 71-36-3		
REACH Reg. 01-2119484630-38		
ETHYLBENZENE		
INDEX 601-023-00-4	$2,5 \le x < 3$	Flam. Liq. 2 H225, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373
EC 202-849-4		LC50 Inhalation vapours: 17,2 mg/l/4h
CAS 100-41-4		
REACH Reg. 01-2119489370-35- xxxx		
Hydrocarbons, C10, aromatics, <1% naphtalene	2 ≤ x < 2.5	Asp. Tox. 1 H304, STOT SE 3 H336, Aquatic Chronic 2 H411, EUH066

INDEX -Asp. Tox. 1 H304, STOT SE 3 H336, Aquatic Chronic 2 H411, EUH066

EC 918-811-1

CAS -

REACH Reg. 01-2119463583-34-

CYCLOHEXANONE

 $2 \le x < 2,5$ INDEX 606-010-00-7 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 EC 203-631-1

LD50 Oral: 1535 mg/kg, LD50 Dermal: 1100 mg/kg, LC50 Inhalation vapours:

11 mg/l/4h

CAS 108-94-1

REACH Reg. 01-2119453616-35-

XXXX

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2-ETHOSSI-1-METHYL ETHYL

ACETATE

INDEX 603-177-00-8 $2 \le x < 2.5$ Flam. Liq. 3 H226, STOT SE 3 H336

EC 259-370-9 CAS 54839-24-6

REACH Reg. 01-2119475116-

39xxxx

Essential oil sweet orange

INDEX 0,09 ≤ x < 0,11 Flam. Liq. 3 H226, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Skin Sens. 1 H317,

Aquatic Chronic 1 H410 M=1

EC -

CAS 8008-57-9

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

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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

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Regulatory References:

Deutschland

Portugal

Polska

România

Sverige

Türkiye

DFU

PRT

POL

ROU

SWE

TUR

BGR НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. ЗА ЗАЩИТА НА РАБОТЕЩИТЕ ОТ РИСКОВЕ, България

СВЪРЗАНИ С ЕКСПОЗИЦИЯ НА ХИМИЧНИ АГЕНТИ ПРИ РАБОТА (изм. ДВ. бр.5 от 17 Януари

CZE Česká Republika Nařízení vlády č. 41/2020 Sb. Nařízení vlády, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se

stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů
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

Límites de exposición profesional para agentes químicos en España 2021 **ESP** España 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
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

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

Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea

și completarea hotărârii guvernului nr. 1.093/2006

Hygieniska gränsvärden, Arbetsmiljöverkets föreskrifter och allmänna råd om hygieniska gränsvärden (AFS

Kimyasal Maddelerle Çalışmalarda Sağlık ve Güvenlik Önlemleri Hakkında Yönetmelik 12.08.2013 / 28733

GBR United Kingdom EH40/2005 Workplace exposure limits (Fourth Edition 2020) Ēυ 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**

Гуре	Country	TWA/8h		STEL/15min		Remarks / Observations	S
		mg/m3	ppm	mg/m3	ppm		
TLV	BGR	10				RESP	
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		2,5				RESP	
Predicted no-effect cond	entration - PNEC						
Normal value in fresh wa	ater			0,127	n	ng/l	
Normal value in marine	water			1	n	ng/l	
Normal value for fresh w	ater sediment			1000	m	ng/kg	
Normal value for marine	water sediment			100	m	ng/kg	
Normal value for water,	intermittent release			0,61	n	ng/l	
Normal value of STP mi	croorganisms			100	n	ng/l	
Normal value for the terr	restrial compartment			100	m	ng/kg	

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	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

XYLENE (MIXTURE OF ISOMERS) Threshold Limit Value Country TWA/8h STEL/15min Remarks / Туре 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 880 200 MAK DEU 440 100 SKIN TLV DNK 109 25 SKIN Ε VLA ESP 221 50 442 100 SKIN VLEP FRA 221 50 442 100 SKIN VLEP 50 442 100 SKIN IΤΑ 221 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 FSD TUR 221 442 100 SKIN 50 WEL GBR 220 50 441 100 SKIN OEL 221 50 442 100 SKIN 20 TLV-ACGIH 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 Effects on consumers workers Route of exposure Acute local Acute systemic Chronic local Chronic Acute local Acute Chronic local Chronic systemic systemic systemic Oral VND 1,6 mg/kg/d 289 mg/m3 Inhalation 174 mg/m3 174 mg/m3 VND 14,8 mg/m3 77 mg/m3 289 mg/m3 77 mg/m3 VND 174 mg/m3 VND VND 180 mg/kg Skin 108 mg/kg/d

STEL/15min

Remarks / Observations

BUTANOL

Threshold Limit Value

Country

TWA/8h

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		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	
WEL	GBR			154	50	SKIN	
TLV-ACGIH		61	20				
Predicted no-effect conc	entration - PNEC						
Normal value in fresh wa	ater			0,082	mg	1/ I	
Normal value in marine v	water			0,0082	mg	1 /l	-
Normal value for fresh w	rater sediment			0,178	mg	ı/kg	
Normal value for marine	water sediment			0,0178	mg	ı/kg	-
Normal value for water, i	ntermittent release			2,25	mg	1 /l	
Normal value of STP mid	croorganisms			2476	mg	1/ I	
Normal value for the terr	estrial compartment			0,015	mg	ı/kg	
Health - Derived no-	effect level - DNEL /	DMEL					

Health - Derived no-effect	level - DNEL / D Effects on consumers	MEL			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

Туре	Country	TWA/8h		STEL/15min		Remarks / Observation	s	
		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	Е	
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 NGV/KGV ESD WEL OEL TLV-ACGIH Predicted no-effect concentration Normal value in fresh water Normal value for fresh water sedii Normal value for marine water se Normal value for water, intermitte Normal value of STP microorganii Normal value for the food chain (s	ROU SWE TUR GBR EU - PNEC ment diment int release sms secondary poison	7 WHITE: 1 442 220 442 441 442 87	100 50 100 100 20	0,1 0,01 13,7 1,37	mg mg		n. 9/25	
NGV/KGV ESD WEL OEL TLV-ACGIH Predicted no-effect concentration Normal value in fresh water Normal value in marine water Normal value for fresh water sedii Normal value for marine water se Normal value for water, intermitte Normal value of STP microorgani Normal value for the food chain (s	SWE TUR GBR EU - PNEC ment diment ont release sms secondary poison	220 442 441 442	50 100 100 100	884 884 552 884 0,1 0,01 13,7	200 200 125 200 mg	SKIN SKIN SKIN SKIN JI ECHA 2018		
NGV/KGV ESD WEL OEL TLV-ACGIH Predicted no-effect concentration Normal value in fresh water Normal value in marine water Normal value for fresh water sedii Normal value for marine water se Normal value for water, intermitte Normal value of STP microorgani Normal value for the food chain (s	SWE TUR GBR EU - PNEC ment diment ont release sms secondary poison	220 442 441 442	50 100 100 100	884 884 552 884 0,1 0,01 13,7	200 200 125 200 mg	SKIN SKIN SKIN SKIN JI ECHA 2018		
WEL OEL TLV-ACGIH Predicted no-effect concentration Normal value in fresh water Normal value in marine water Normal value for fresh water sedii Normal value for marine water se Normal value for water, intermitte Normal value of STP microorgani Normal value for the food chain (s	TUR GBR EU - PNEC ment diment int release sms secondary poison	442 441 442	100 100 100	884 552 884 0,1 0,01 13,7	200 125 200 mg	SKIN SKIN SKIN // ECHA 2018		
WEL OEL TLV-ACGIH Predicted no-effect concentration Normal value in fresh water Normal value in marine water Normal value for fresh water sedii Normal value for marine water se Normal value for water, intermitte Normal value of STP microorganii Normal value for the food chain (s	GBR EU - PNEC ment diment int release sms secondary poison	441 442	100	552 884 0,1 0,01 13,7	125 200 mg mg	SKIN SKIN // ECHA 2018 // ECHA 2018		
OEL TLV-ACGIH Predicted no-effect concentration Normal value in fresh water Normal value in marine water Normal value for fresh water sedii Normal value for marine water se Normal value for water, intermitte Normal value of STP microorgani Normal value for the food chain (s	EU - PNEC ment diment int release sms secondary poison	442	100	0,1 0,01 13,7	200 mg	SKIN // ECHA 2018 // ECHA 2018		
TLV-ACGIH Predicted no-effect concentration Normal value in fresh water Normal value in marine water Normal value for fresh water sedii Normal value for marine water se Normal value for water, intermitte Normal value of STP microorgani Normal value for the food chain (s	- PNEC ment diment nt release sms secondary poison			0,1 0,01 13,7	mg mg	/I ECHA 2018 /I ECHA 2018		
Predicted no-effect concentration Normal value in fresh water Normal value in marine water Normal value for fresh water sedie Normal value for marine water se Normal value for water, intermitte Normal value of STP microorganic	ment diment nt release sms secondary poison	87	20	0,01	mg mg	/I ECHA 2018		
Normal value in fresh water Normal value in marine water Normal value for fresh water sedii Normal value for marine water se Normal value for water, intermitte Normal value of STP microorgani Normal value for the food chain (s	ment diment nt release sms secondary poison			0,01	mg mg	/I ECHA 2018		
Normal value in marine water Normal value for fresh water sedir Normal value for marine water se Normal value for water, intermitte Normal value of STP microorgani Normal value for the food chain (s	diment Int release Isms Secondary poison			0,01	mg mg	/I ECHA 2018		
Normal value for fresh water sedio Normal value for marine water se Normal value for water, intermitte Normal value of STP microorgani	diment Int release Isms Secondary poison			13,7	mg			
Normal value for marine water se Normal value for water, intermitte Normal value of STP microorgani Normal value for the food chain (s	diment Int release Isms Secondary poison			<u> </u>		/kg ECHA 2018		
Normal value for water, intermitte Normal value of STP microorgani Normal value for the food chain (s	nt release sms secondary poison			1,37				
Normal value of STP microorgani Normal value for the food chain (s	sms secondary poison				mg	/kg ECHA 2018		
Normal value for the food chain (s	secondary poison			0,1	mg	/I ECHA 2018		
·				9,6	mg	/I ECHA 2018		
Normal value for the terrestrial co	mnartment	ning)		20	mg	/kg ECHA 2018		
	inparanona			2,68	mg	/kg ECHA 2018		
Uvdraaarbana C10 aramat	tion <40/ namb	atalana						
Hydrocarbons, C10, aromat Health - Derived no-effect le					Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
Oral			VND	systemic 7,5 mg/kg/d		systemic		systemic
nhalation			VND	32 mg/m3			VND	151 mg/m3
Skin			VND	7,5 mg/kg/d			VND	12,5 mg/kg/
2-ETHOSSI-1-METHYL ETH Threshold Limit Value Type	Country	TWA/8h		STEL/15min		Remarks /		
		mg/m3	ppm	mg/m3	ppm	Observation	ons	
AGW	DEU	120	20	240	40	SKIN	14	
MAK Predicted no-effect concentration	DEU	120	20	240	40	SKIN	Hinweis	
	- PNEC			2		Л		
Normal value in fresh water				2	mg			
				0,8	mg	/		
Normal value for fresh water sedi				8,2		/kg		
Normal value for fresh water sedi	diment			8,2	mg	/kg /kg		
Normal value for fresh water sedi Normal value for marine water se Normal value for water, intermitte	diment nt release			8,2 0,6 2	mg	/kg /kg /I		
Normal value for fresh water sedion Normal value for marine water se Normal value for water, intermitte Normal value of STP microorganic	diment ent release			8,2 0,6 2 62,5	mg mg	/kg /kg /I		
Normal value for fresh water sedii Normal value for marine water se Normal value for water, intermitte Normal value of STP microorgani Normal value for the food chain (s	diment int release sms secondary poison	ning)		8,2 0,6 2 62,5 117	mg mg mg	/kg /kg /I /kg		
Normal value for fresh water seding Normal value for marine water se Normal value for water, intermitte Normal value of STP microorgani Normal value for the food chain (so Normal value for the terrestrial co	diment Int release Isms Secondary poison Impartment			8,2 0,6 2 62,5	mg mg mg	/kg /kg /I		
Normal value for fresh water seding Normal value for marine water se Normal value for water, intermitte Normal value of STP microorgani Normal value for the food chain (so Normal value for the terrestrial co	diment Int release Isms Secondary poison Impartment			8,2 0,6 2 62,5 117	mg mg mg	/kg /kg /I /kg		
Normal value for fresh water sedion Normal value for marine water sedion Normal value for water, intermitte Normal value of STP microorganic Normal value for the food chain (so Normal value for the terrestrial cool Health - Derived no-effect leads	int release sms secondary poison smpartment evel - DNEL / D Effects on		Chronic local	8,2 0,6 2 62,5 117 0,6	mg mg mg	/kg /kg /I /kg /kg /kg /kg Acute	Chronic local	Chronic
Normal value for fresh water sedii Normal value for marine water se Normal value for water, intermitte Normal value of STP microorgani Normal value for the food chain (s Normal value for the terrestrial co Health - Derived no-effect le	int release sms secondary poison impartment evel - DNEL / E Effects on consumers	DMEL	Chronic local VND	8,2 0,6 2 62,5 117 0,6	mg mg mg mg mg mg mg wg	/kg /kg /I /kg /kg	Chronic local	Chronic systemic
Normal value in marine water Normal value for fresh water sedii Normal value for marine water se Normal value for water, intermitte Normal value of STP microorgani Normal value for the food chain (s Normal value for the terrestrial co Health - Derived no-effect le Route of exposure Oral Inhalation Skin	int release sms secondary poison impartment evel - DNEL / E Effects on consumers	DMEL		8,2 0,6 2 62,5 117 0,6 Chronic systemic	mg mg mg mg mg mg mg wg	/kg /kg /I /kg /kg /kg /kg Acute	Chronic local VND VND	

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Туре	Country	TWA/8h		STEL/15min		Remarks Observati		
		mg/m3	ppm	mg/m3	ppm	Observati	OHS	
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			SKIN	E	
VLA	ESP	41	10	82	20	SKIN		
VLEP	FRA	40,8	10	81,6	20			
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 concentra	ation - PNFC							
Normal value in fresh water	-			0,1	mg	/I		
Normal value in marine wate	r			0,01	mg			
Normal value for fresh water	sediment			0,512		mg/kg		
Normal value for marine wat				0,0512	mg			
Normal value for water, inter				0,329	mg			
Normal value of STP microo				10	mg			
Normal value for the terrestri				0,0435	mg			
Health - Derived no-effe		DMFI		0,0100	9	, n.g		
ricalii - Derived no-ene	Effects on	JIIILL			Effects on			
Route of exposure	consumers Acute local	Acute systemic	Chronic local	Chronic	workers Acute local	Acute	Chronic local	Chronic
Oral				systemic 1,5 mg/kg		systemic		systemic
			VAID	bw/d			VAID	10 / 2
Inhalation			VND	10 mg/m3			VND	40 mg/m3
Skin			VND	1 mg/kg bw/d			VND	4 mg/kg bw/c
Modified omershaus =:	lioon							
Modified amorphous si Threshold Limit Value	licon							
Туре	Country	TWA/8h		STEL/15min		Remarks Observati		
		mg/m3	ppm	mg/m3	ppm	CDOCIVAL	55	
VLEP	ITA	3				INHAL		
VLEP	ITA	10				RESP		

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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

Traduci da: Indonesiano			
Predicted no-effect concentration - PNEC			
Normal value in fresh water	0,0032	mg/l	
Normal value in marine water	0,0032	mg/l	
Normal value for fresh water sediment	15,6	mg/kg	
Normal value for water, intermittent release	0,0032	mg/l	
Normal value of STP microorganisms	35	mg/l	
Normal value for the terrestrial compartment	0,865	mg/kg/d	

Health - Derived no-ef	ffect level - DNEL / D Effects on consumers	DMEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		1,3 mg/kg bw/d						
Inhalation				4,4 mg/m3				17,8 mg/m3
Skin				13 mg/kg bw/d				25,5 mg/kg bw/d

MALEIC ANHYDRIDE Threshold Limit Value							
Type	Country	TWA/8h		STEL/15min		Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm		
TLV	BGR	1					
TLV	CZE	1	0,245	2	0,49		
AGW	DEU	0,081	0,02	0,081 (C)	0,02 (C)		
MAK	DEU	0,081	0,02	0,081 (C)	0,02 (C)		C = 0,20 mg/m3
TLV	DNK	0,4	0,1				
VLA	ESP	0,4	0,1				
VLEP	FRA			1			
NDS/NDSCh	POL	0,5		1		SKIN	
TLV	ROU	1	0,25	3	0,75		
NGV/KGV	SWE	0,2	0,05	0,4	0,1		
WEL	GBR	1		3			
TLV-ACGIH		0,01	0,0025			INHAL	

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.

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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.

Exposure levels must be kept as low as possible to avoid significant build-up in the organism. Manage personal protective equipment so as to guarantee maximum protection (e.g. reduction in replacement times).

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 II 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	white	
Odour	typical of solvent	
Melting point / freezing point	not available	
Initial boiling point	> 140 °C	
Flammability	not available	

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Lower explosive limit not available Upper explosive limit not available > 26 °C Flash point Auto-ignition temperature not available Decomposition temperature not available not available Kinematic viscosity not available insoluble in water Solubility Partition coefficient: n-octanol/water not available not available Vapour pressure not available Density and/or relative density 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

Information not available

SECTION 10. Stability and reactivity

10.1. Reactivity

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

DPnB

Do not put in contact with free oxygen

BUTANOL

Attacks various types of plastic materials.

CYCLOHEXANONE

Attacks various types of plastic materials.

May condense under the effect of heat to form resinous compounds.

10.2. Chemical stability

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

Revision nr. 1 **COMEC ITALIA SRL** Dated 08/03/2024 First compilation Printed on 13/05/2024 PLT 47 WHITE: 160, 160 HD, Page n. 14/25 DPnB Stable product under recommended storage and use conditions 10.3. Possibility of hazardous reactions The vapours may also form explosive mixtures with the air. 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. DPnB Avoid oxygen infiltration BUTANOL Reacts violently developing heat on contact with: aluminium, strong oxidising agents, strong reducing agents, hydrochloric acid. Forms explosive mixtures with: air. ETHYLBENZENE Reacts violently with: strong oxidants. Attacks various types of plastic materials. May form explosive mixtures with: air. 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. 10.4. Conditions to avoid Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition. DPnB Avoid oxygen infiltration; avoid heat, flames, sparks BUTANOL Avoid exposure to: sources of heat,naked flames. CYCLOHEXANONE Avoid exposure to: sources of heat,naked flames.

10.5. Incompatible materials

DPnB

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Avoid oxygen infiltration

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.

DPnB

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

Hydrocarbons, C10, aromatics, <1% naphtalene Specific target organ toxicity (STOT) - single exposure: NOAEC> 600 mg / kg Inhalation. Rat

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

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.

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

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 (Ispesl). 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

TITANIUM DIOXIDE

LD50 (Oral): > 5000 mg/l Ratto/Rat LC50 (Inhalation mists/powders): > 6,82 mg/l 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

DPnB

LD50 (Dermal): 5330 mg/kg Coniglio - Rabbit LD50 (Oral): 3700 mg/kg Ratto - Rat

BUTANOL

 LD50 (Dermal):
 3400 mg/kg Rabbit

 LD50 (Oral):
 2290 mg/kg Rat

STA (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)

LC50 (Inhalation vapours): 17,76 mg/l/4h Rat

ETHYLBENZENE

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LD50 (Dermal): LD50 (Oral):

LC50 (Inhalation vapours):

15354 mg/kg Rabbit 3500 mg/kg Rat 17,2 mg/l/4h Rat

Hydrocarbons, C10, aromatics, <1% naphtalene

LD50 (Dermal): LD50 (Oral):

LC50 (Inhalation vapours):

> 2000 mg/kg Coniglio / Rabbit 6318 mg/kg Ratto / Rat > 4688 mg/kg/4h Ratto / Rat

2-ETHOSSI-1-METHYL ETHYL ACETATE

LD50 (Dermal):

LD50 (Oral): LC50 (Inhalation vapours):

13,42 ml/Kg Coniglio / Rabbit > 5000 mg/kg Ratto / Rat 6,99 mg/l/4h Rat

CYCLOHEXANONE

LD50 (Dermal):

LD50 (Oral): LC50 (Inhalation vapours): 1100 mg/kg 794 - 3160 / Coniglio / Rabbit

1535 mg/kg Ratto / Rat 11 mg/l/4h Ratto / Rat (4h)

Modified amorphous silicon

LD50 (Oral):

> 5000 mg/kg Ratto / Rat

SKIN CORROSION / IRRITATION

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.

Contains:

Essential oil sweet orange

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

May cause damage to organs

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**

DPnB

LC50 - for Fish

841 mg/l/96h poecilia reticulata

EC50 - for Crustacea

> 1000 mg/l/48h Daphnia magna

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 $Hydrocarbons,\,C10,\,aromatics,\,<\!1\%$

naphtalene

LC50 - for Fish > 2 mg/l/96h

EC50 - for Crustacea > 3 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants > 1 mg/l/72h

TITANIUM DIOXIDE

LC50 - for Fish > 10000 mg/l/96h Cypridonon variegatus

2-ETHOSSI-1-METHYL ETHYL 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

ETHYLBENZENE

LC50 - for Fish4,2 mg/l/96h Oncorhynchus mykiss OECD TG 203EC50 - for Crustacea2,4 mg/l/48h Daphnia magna (database Ecotox)

EC50 - for Algae / Aquatic Plants 3,6 mg/l/72h Pseudokirchneriella subcapitata (IUCLID)

BUTANOL

LC50 - for Fish 1376 mg/l/96h Pimephales promelas EC50 - for Crustacea 1328 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants 225 mg/l/96h 96h - Selenastrum capricornutum

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

Modified amorphous silicon

LC50 - for Fish > 10000 mg/l/96h Brachydanio rerio OECD 203
EC50 - for Crustacea > 10000 mg/l/24h Daphnia Magna OCSE 202 - 24 h

12.2. Persistence and degradability

DPnB

Entirely degradable

Hydrocarbons, C10, aromatics, <1%

naphtalene

Solubility in water immiscibile in H2O mg/l

Rapidly degradable

XYLENE (MIXTURE OF ISOMERS)

Solubility in water 100 - 1000 mg/l

Rapidly degradable

2-ETHOSSI-1-METHYL ETHYL ACETATE

Solubility in water > 10000 mg/l

Rapidly degradable

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Activated sludge - 89%/15 d - 100%/28 d ETHYLBENZENE

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

Rapidly degradable

BUTANOL

Solubility in water 78 mg/l

Rapidly degradable

CYCLÓHEXANONE

86 mg/l Solubility in water

Rapidly degradable

Modified amorphous silicon

Solubility in water > 1 mg/l

12.3. Bioaccumulative potential

DPnB

Partition coefficient: n-octanol/water 1,523

XYLENE (MIXTURE OF ISOMERS)

Partition coefficient: n-octanol/water 3,12 BCF 25,9

2-ETHOSSI-1-METHYL ETHYL ACETATE

Partition coefficient: n-octanol/water 0,76 BCF 3,162

ETHYLBENZENE

Partition coefficient: n-octanol/water 3,6

BUTANOL

Partition coefficient: n-octanol/water BCF 3,16

CYCLOHEXANONE

Partition coefficient: n-octanol/water 0,86

12.4. Mobility in soil

XYLENE (MIXTURE OF ISOMERS)

Partition coefficient: soil/water 2,73

2-ETHOSSI-1-METHYL ETHYL ACETATE

Partition coefficient: soil/water 1

BUTANOL

Partition coefficient: soil/water 0,388

CYCLOHEXANONE

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Partition coefficient: soil/water 1,18

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.

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 OF 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

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ADR / RID, IMDG, IATA:

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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

Tunnel restriction code: (D/E)

Special provision: 163, 367

IMDG: EMS: F-E, S-D Limited Quantities: 5

IATA: Cargo: Maximum quantity: 220

Packaging instructions:

Maximum quantity: 60 L

366 Packaging instructions: 355

A3, A72,

Special provision:

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

Pass.:

Seveso Category - Directive 2012/18/EU: P5c

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

<u>Product</u>

Point 3 - 40

Contained substance

Point 75 CYCLOHEXANONE REACH Reg.:

01-2119453616-35-xxxx

Point 75 XYLENE (MIXTURE OF ISOMERS)

REACH Reg.: 01-2119488216-32-

Point 75 BUTANOL REACH Reg.: 01-

2119484630-38

Point 75 TITANIUM DIOXIDE

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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 ≥ 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
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 Chronic 1 Hazardous to the aquatic environment, chronic toxicity, category 1

Aquatic Chronic 2 Hazardous to the aquatic environment, chronic toxicity, category 2

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PLT 47 WHITE: 160, 160 HD,

Aquatic Chronic 3 Hazardous to the aquatic environment, chronic toxicity, category 3

H225 Highly flammable liquid and vapour.H226 Flammable liquid and vapour.

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.

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 (IÌ Annex of REACH Regulation)
- 4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament

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- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- 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 (EŬ) 2019/Ì148
- 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.