Revision nr. 1 **COMEC ITALIA SRL** Dated 10/03/2016 Printed on 10/03/2016 **SERIE PLT3 NEW: 160, 60 BN** Page n. 1/18

Safety data sheet

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

1.1. Product identifier

Product name **SERIE PLT3 NEW: 160, 60 BN**

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

PIAZZALE DEL LAVORO 149 Full address

District and Country 21044 CAVARIA VA

ITALIA

Tel. 0331 219516 Fax 0331 216161

e-mail address of the competent person

responsible for the Safety Data Sheet info@comec-italia.it EDGARDO BAGGINI Product distribution by

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) -

TEL 0331 219516 (8.00-12.30 / 13.00-17.30)

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 EC Regulation 1907/2006 and subsequent amendments. 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:

H226	Flammable liquid and vapour.
H362	May cause harm to breast-fed children.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.
	H362 H318 H315 H317

category 3

2.2. Label elements.

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

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Signal words:

Hazard statements:

H226 Flammable liquid and vapour.

H362 May cause harm to breast-fed children.

H318 Causes serious eye damage. H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

Danger

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P201 Obtain special instructions before use.

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

P233 Keep container tightly closed.

P280 Wear protective gloves / eye protection / face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower.

P310 Immediately call a POISON CENTER / doctor / . . .

Contains: alkanes, C14-17, chloro

CYCLOHEXANONE

Epoxy resin (number average molecular weight <=700)

2.3. Other hazards.

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

SECTION 3. Composition/information on ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

Contains:

Identification. Conc. %. Classification 1272/2008

(CLP).

BUTYLGLYCOL ACETATE

CAS. 112-07-2 12 - 13,5 Acute Tox. 4 H312, Acute

Tox. 4 H332

EC. 203-933-3

INDEX. 607-038-00-2

Reg. no. 01-2119475112-47xxxx

2-METHOXY-1-METHYLETHYL ACETATE

CAS. 108-65-6 8 - 9 Flam. Liq. 3 H226

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EC. 203-603-9

INDEX. 607-195-00-7

Reg. no. 01-2119475791-29-xxxx

Epoxy resin (number average molecular weight <=700)

CAS. 25068-38-6

5 - 6

Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2 H411

EC. 500-033-5

INDEX. 603-074-00-8

Reg. no. 01-2119456619-26-xxxx

CYCLOHEXANONE

CAS. 108-94-1

3 - 3,5

Flam. Liq. 3 H226, Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Eye Dam. 1 H318, Skin Irrit. 2 H315

EC. 203-631-1

INDEX. 606-010-00-7

Reg. no. 01-2119453616-35-xxxx **XYLENE (MIXTURE OF ISOMERS)**

CAS. 1330-20-7

2,5 - 3

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, Note C

EC. 215-535-7 INDEX. 601-022-00-9

Reg. no. 01-2119488216-32xxxx

Hydrocarbons, C10, aromatics, <1% naphtalene

CAS. -

2 - 2,5

Asp. Tox. 1 H304, STOT SE 3 H336, Aquatic Chronic 2

H411, EUH066

EC. 918-811-1 INDEX. -

Reg. no. 01-2119463583-34-xxxx

alkanes, C14-17, chloro

CAS. 85535-85-9

1 - 1.5

Lact. H362, Aquatic Chronic 1

H410, EUH066

EC. 287-477-0 INDEX. 602-095-00-X

Reg. no. 01-2119519269-33-0001

Note: Upper limit is not included into the range.

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.

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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.

For symptoms and effects caused by the contained substances, see chap. 11.

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.

$\ \, \textbf{5.2. Special hazards arising from the substance or mixture.} \\$

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.

6.2. Environmental precautions.

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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. Check incompatibility for container material in section 7. 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. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Store in a 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	МИНИСТЕРСТВО НА ТРУДА И СОЦИАЛНАТА ПОЛИТИКА МИНИСТЕРСТВО НА ЗДРАВЕОПАЗВАНЕТО НАРЕДБА No 13 от 30 декември 2003 г
CZE	Česká Republika	Nařízení vlády č. 361/2007 Sb. kterým se stanoví podmínky ochrany zdraví při práci
DEU	Deutschland	MAK-und BAT-Werte-Liste 2012
DNK	Danmark	Graensevaerdier per stoffer og materialer
ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2015
FRA	France	JORF n°0109 du 10 mai 2012 page 8773 texte n° 102

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GRB United Kingdom EH40/2005 Workplace exposure limits

ITA Italia POL Polska Decreto Legislativo 9 Aprile 2008, n.81

ROZPORZĄDZENIE MINISTRA PRACY I POLITYKI SPOŁECZNEJ z dnia

16 grudnia 2011r

SWE Sverige Occupational Exposure Limit Values, AF 2011:18

OEL ĔU EU

Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC;

Directive 2000/39/EC.

ACGIH 2014 TLV-ACGIH

BUTYLGLY	COL	ACETATE
Threshold I	imit	Value

Threshold Limit Value.						
Туре	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
TLV	BGR	133		333		SKIN.
TLV	CZE	130		300		SKIN.
AGW	DEU	130	20	520	80	SKIN.
MAK	DEU	66	10	132	20	SKIN.
TLV	DNK	130	20			SKIN.
VLA	ESP	133	20	333	50	SKIN.
VLEP	FRA	66,5	10	333	50	SKIN.
WEL	GRB	133	20	332	50	SKIN.
TLV	ITA	133	20	333	50	SKIN.
NDS	POL	100		300		
MAK	SWE	70	10	140	20	SKIN.
OEL	EU	133	20	333	50	SKIN.
TLV-ACGIH		131	20			
Predicted no-effect concentration	n - PNFC					

Predicted	no-effect	concentration -	PNEC
riedicted	110-enect	concentration -	FINEC.

Normal value in fresh water	0,304	mg/l
Normal value in marine water	0,0304	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)	0,06	g/kg
Normal value for the terrestrial compartment	0,06	g/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers. Acute local	Acute systemic	Chronic local	Chronic systemic	Effects on workers Acute local	Acute systemic	Chronic local	Chronic systemic
Oral.	VND	18 mg/kg/d	VND	4,3 mg/kg/d		,		,
Inhalation. Skin.	166 mg/m3	499 mg/m3	VND VND	67 mg/m3 36 mg/kg/d	333 mg/m3 102 mg/kg/d	773 mg/m3 27 mg/kg/d	VND VND	133 mg/m3 102 mg/kg/d

2-METHOXY-1-METHYLETHYL ACETATE

1	I hreshold Limit Value.						
	Туре	Country	TWA/8h		STEL/15min		
			mg/m3	ppm	mg/m3	ppm	
	TLV	BGR	275		550		SKIN.
	TLV	CZE	270		550		SKIN.
	AGW	DEU	270	50	270	50	
	MAK	DEU	270	50	270	50	
	TLV	DNK	275	50			SKIN.
	VLA	ESP	275	50	550	100	SKIN.
1							

Skin. VND 54,8 mg/kg VND 153,5 mg.		C	OMEC ITAL	IA SRL			Revisi Dated	10/03/2016	
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Marcian GRB 274 50 548 100 5							Page	n. 7/18	
TLV	/LEP	FRA	275	50	550	100	SKIN.		
NDS POL 260	VEL	GRB	274	50	548	100			
MAK SWE 250 50 400 75 SKIN. EL 275 50 50 550 100 SKIN. Formal value in fresh water Formal value for fresh water sediment Vormal value in fresh water Feboxy resin (number average molecular weight <=700) Fredicted no effect oncentration - PNEC. Feboxy resin (number average molecular weight <=700) Fredicted no effect oncentration - PNEC. Feboxy resin (number average molecular weight <=700) Fredicted no effect oncentration - PNEC. Feboxy resin (number average molecular weight <=700) Fredicted no effect oncentration - PNEC. Feboxy resin (number average molecular weight <=700) Fredicted no effect oncentration - PNEC. Feboxy resin (number average molecular weight <=700) Fredicted no effect oncentration - PNEC. Feboxy resin (number average molecular weight <=700) Fredicted no effect oncentration - PNEC. Feboxy resin (number average molecular weight <=700) Fredicted no effect oncentration - PNEC. Feboxy resin (number average molecular weight <=700) Fredicted no effect oncentration - PNEC. Feboxy resin (number average molecular weight <=700) Fredicted no effect oncentration - PNEC. Feboxy resin (number average molecular weight <=700) Fredicted no effect oncentration - PNEC. Feboxy resin (number average molecular weight <=700) Fredicted no effect oncentration - PNEC. Feboxy resin (number average molecular weight <=700) Fredicted no effect oncentration - PNEC. Fredicted no effect	TLV	ITA	275	50	550	100	SKIN.		
Part	NDS	POL	260		520				
Prediction Property Propert		SWE		50		75	SKIN.		
Marchand value in frosh water									
Normal value for metrine water	Predicted no-effect concentration	n - PNEC.							
Route of exposure Acute local Acute Acute local Acute Acute Acute Acute Acute Acute systemic Acute of exposure Acute local Acute systemic Acute local Acute local Acute Acute local Acute local Acute Acute local Acute local Acute Acute Acute local Acute Acute Acute local Acute Acute Acute local Acute Acute Acute Acute Acute local Acute Acute Acute Acute Acute local Acute	Normal value in marine water Normal value for fresh water set Normal value for marine water shormal value for water, intermitt Normal value of STP microorgal Normal value for the terrestrial of the terre	sediment tent release nisms compartment			0,0635 3,29 0,329 6,35 100		mg/l mg/kg mg/l mg/l mg/l		
Systemic		Effects on consumers.				workers		a	.
NND 33 mg/m3 NND 272 mg/m		Acute local	Acute systemic		systemic	Acute local		Chronic local	
Skin. VND 54,8 mg/kg VND 153,5 mg/kg VND V									
Epoxy resin (number average molecular weight <=700) **Predicted on-enfect concentration - PNEC.** **Normal value in fresh water					•				272 mg/m3
Normal value in fresh water	škin.			VND	54,8 mg/kg			VND	153,5 mg/kg
Normal value in fresh water 0,006 mg/l			weight <=700)						
Normal value in marine water		n - PNEC.							
Effects on consumers.	Normal value for fresh water sectormal value for marine water solormal value for water, intermith formal value of STP microorgal Normal value for the food chain Normal value for the terrestrial of the te	sediment tent release nisms (secondary poiso compartment			0,996 0,0996 0,018 10 11		mg/kg mg/kg mg/l mg/l mg/kg		
Acute local Acute systemic Chronic local Chronic Chronic Systemic	lealth - Derived no-effect	Effects on	DMEL						
Oral. VND 0,75 mg/kg VND 0,75 mg/kg nhalation. VND 12,25 mg/m3 VND 12,25 mg/m3 VND 12,25 mg/m3 VND 12,25 mg/m3 VND 8,33 mg/kg VND 8,51 mg/kg VND 8,51 mg/kg VND 8,51 mg/kg VND 8,61 mg/kg NB NB <t< td=""><td>Route of exposure</td><td></td><td>Acute systemic</td><td>Chronic local</td><td></td><td></td><td></td><td>Chronic local</td><td></td></t<>	Route of exposure		Acute systemic	Chronic local				Chronic local	
Skin. VND 3,571 mg/kg VND 3,571 mg/kg VND 8,33 mg/kg VND 8,33 mg/k CYCLOHEXANONE Threshold Limit Value. Type Country TWA/8h mg/m3 ppm mg/m3 ppm mg/m3 ppm str.V CZE 40 80 SKIN. AGW DEU 80 20 80 SKIN. TLV DNK 40 10 VLA ESP 41 10 82 20 SKIN. VLEP FRA 40,8 10 81,6 20 WEL GRB 41 10 82 20 SKIN. VLEP FRA 40,8 10 81,6 20 SKIN. VLEP FRA 40,8 10 81,6 20 SKIN. VLEP FRA 40,8 10 81,6 20 SKIN. VLEP NEL GRB 41 10 82 20 SKIN. VLEP NEL GRB 41 10 82 20 SKIN. VLEP NEL GRB 41 10 81,6 20 SKIN. VLEP NEL GRB 41 10 81,6 20 SKIN. VLEP SKIN.	Dral.	VND	0,75 mg/kg	VND	0,75 mg/kg		Systemic		Systemic
CYCLOHEXANONE Treshold Limit Value. TWA/8h STEL/15min mg/m3 ppm mg/m3 ppm mg/m3 ppm mg/m3 ppm SKIN. SKIN. SK	nhalation.					VND	12,25 mg/m3	VND	12,25 mg/m
Threshold Limit Value. Country TWA/8h STEL/15min Type mg/m3 ppm mg/m3 ppm TLV BGR 40,8 81,6 SKIN. TLV CZE 40 80 20 SKIN. AGW DEU 80 20 SKIN. TLV DNK 40 10 VIA SKIN. VLA ESP 41 10 82 20 SKIN. VLEP FRA 40,8 10 81,6 20 SKIN. VLV ITA 40,8 10 81,6 20 SKIN. NDS POL 40 80 20 SKIN. MAK SWE 41 10 81 20 SKIN.	Skin.	VND	3,571 mg/kg	VND	3,571 mg/kg	VND	8,33 mg/kg	VND	8,33 mg/kg
Threshold Limit Value. Country TWA/8h STEL/15min Type mg/m3 ppm mg/m3 ppm TLV BGR 40,8 81,6 SKIN. TLV CZE 40 80 20 SKIN. AGW DEU 80 20 SKIN. TLV DNK 40 10 VIA SKIN. VLA ESP 41 10 82 20 SKIN. VLEP FRA 40,8 10 81,6 20 SKIN. VLV ITA 40,8 10 81,6 20 SKIN. NDS POL 40 80 20 SKIN. MAK SWE 41 10 81 20 SKIN.	CYCL OHEXANONE								
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NDS POL 40 80 MAK SWE 41 10 81 20 SKIN.	VEL	GRB	41	10	82	20	SKIN.		
MAK SWE 41 10 81 20 SKIN.	LV	ITA	40,8	10	81,6	20	SKIN.		
	1DS	POL	40		80				
DEL EU 40,8 10 81,6 20 SKIN.		SWE	41	10	81	20	SKIN.		
	IAK								

TLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value for fresh water sediment Normal value for marine water sediment Normal value for marine water sediment Normal value of STP microorganisms Normal value for the terrestrial compartmer Health - Derived no-effect level - DN Effects consun Route of exposure Acute in Inhalation. Skin. XYLENE (MIXTURE OF ISOMERS) Threshold Limit Value. Type Country TLV BGR TLV CZE AGW DEU MAK DEU WAK DEU WAK DEU WAK DEU WAK DEU WAK SWE TLV ITA NDS POL MAK SWE OEL EU TLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value for fresh water sediment Normal value for marine water sediment	nt NEL / DMEL on ners. ocal Acute systemic	20 Chronic local VND VND ppm 100 100 50 50 50 50	201 0,1 0,01 0,512 0,0512 1 10 0,0435 Chronic systemic 10 mg/m3 1 mg/kg STEL/15min mg/m3 442 400 880 880 880 442 441 442	ppm 200 200 100 100 100 100		g	Chronic systemic 40 mg/m3 4 mg/kg/d
Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value in marine water Normal value for fresh water sediment Normal value for marine water sediment Normal value for water, intermittent release Normal value for the terrestrial compartment Health - Derived no-effect level - DN Effects Consum Route of exposure Acute in Normal value for the terrestrial compartment Health - Derived no-effect level - DN Effects Consum Route of exposure Acute in Normal value in fresh water Normal value for fresh water sediment	y TWA/8h mg/m3 221 200 440 440 221 220 221 100	Chronic local VND VND ppm 100 100 50 50 50	0,1 0,01 0,512 0,0512 1 10 0,0435 Chronic systemic 10 mg/m3 1 mg/kg STEL/15min mg/m3 442 400 880 880 442 442	ppm 200 200 100 100	mg/l mg/k, mg/k, mg/k, mg/l mg/l mg/K Acute systemic SKIN. SKIN. SKIN. SKIN. SKIN. SKIN.	g Chronic local VND	systemic 40 mg/m3
Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value in marine water Normal value for fresh water sediment Normal value for marine water sediment Normal value for marine water sediment Normal value for the terrestrial compartment Health - Derived no-effect level - D Effects Consum Route of exposure Inhalation. Skin. XYLENE (MIXTURE OF ISOMERS) Threshold Limit Value. Type Country TLV BGR TLV CZE AGW DEU MAK DEU WLA ESP WLEP FRA WEL GRB TLV ITA NDS POL MAK DEL TLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value in fresh water Normal value in fresh water Normal value for fresh water sediment	y TWA/8h mg/m3 221 200 440 440 221 220 221 100	Chronic local VND VND ppm 100 100 50 50 50	0,1 0,01 0,512 0,0512 1 10 0,0435 Chronic systemic 10 mg/m3 1 mg/kg STEL/15min mg/m3 442 400 880 880 442 442	ppm 200 200 100 100	mg/l mg/k, mg/k, mg/k, mg/l mg/l mg/K Acute systemic SKIN. SKIN. SKIN. SKIN. SKIN. SKIN.	g Chronic local VND	systemic 40 mg/m3
Normal value in marine water Normal value for fresh water sediment Normal value for marine water sediment Normal value for water, intermittent release Normal value of STP microorganisms Normal value for the terrestrial compartment Health - Derived no-effect level - DN Effects consum Route of exposure Acute in Inhalation. Skin. XYLENE (MIXTURE OF ISOMERS) Threshold Limit Value. Type Country TLV BGR TLV CZE AGW DEU MAK DEU WLA ESP VLEP FRA WEL GRB TLV ITA NDS POL MAK SWE OEL EU TLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value in fresh water Normal value in fresh water Normal value for fresh water sediment	y TWA/8h mg/m3 221 200 440 440 221 221 220 221 100	VND VND ppm 100 100 50 50 50	0,01 0,512 0,0512 1 10 0,0435 Chronic systemic 10 mg/m3 1 mg/kg STEL/15min mg/m3 442 400 880 880 442 442	ppm 200 200 100 100 100	mg/l mg/k, mg/k, mg/k, mg/l mg/l mg/K Acute systemic SKIN. SKIN. SKIN. SKIN. SKIN. SKIN.	g Chronic local VND	systemic 40 mg/m3
Route of exposure Acute Is consum Acute Is consum Acute Is nhalation. Skin. XYLENE (MIXTURE OF ISOMERS) Threshold Limit Value. Type Country TLV BGR TLV CZE AGW DEU MAK DEU MAK DEU MAK DEU MAK GRB TLV ITA NDS POL MAK SWE DEL EU TLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value in fresh water Normal value for fresh water sediment	y TWA/8h mg/m3 221 200 440 440 221 220 221 100	VND VND ppm 100 100 50 50 50	systemic 10 mg/m3 1 mg/kg STEL/15min mg/m3 442 400 880 880 442 442 441	ppm 200 200 100 100 100	SKIN. SKIN. SKIN. SKIN. SKIN. SKIN.	VND	systemic 40 mg/m3
Route of exposure Inhalation. Skin. XYLENE (MIXTURE OF ISOMERS) Threshold Limit Value. Type Country TLV BGR TLV CZE AGW DEU MAK DEU VLA ESP VLEP FRA WEL GRB TLV ITA NDS POL MAK SWE OEL EU TLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value for fresh water sediment	y TWA/8h mg/m3 221 200 440 440 221 221 220 221 100	VND VND ppm 100 100 50 50 50	systemic 10 mg/m3 1 mg/kg STEL/15min mg/m3 442 400 880 880 442 442 441	ppm 200 200 100 100	SKIN. SKIN. SKIN. SKIN. SKIN. SKIN.	VND	systemic 40 mg/m3
XYLENE (MIXTURE OF ISOMERS) Threshold Limit Value. Type Country TLV BGR TLV CZE AGW DEU MAK DEU VLA ESP VLEP FRA WEL GRB TLV ITA NDS POL MAK SWE OEL EU TLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value for fresh water Sediment	mg/m3 221 200 440 440 221 221 220 221 100	ppm 100 100 50 50 50	10 mg/m3 1 mg/kg STEL/15min mg/m3 442 400 880 880 442 442 441	200 200 100 100	SKIN. SKIN. SKIN. SKIN. SKIN. SKIN.		40 mg/m3
Skin. XYLENE (MIXTURE OF ISOMERS) Threshold Limit Value. Type Country TLV BGR TLV CZE AGW DEU MAK DEU VLA ESP VLEP FRA WEL GRB TLV ITA NDS POL MAK SWE OEL EU TLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value for fresh water Sediment	mg/m3 221 200 440 440 221 221 220 221 100	ppm 100 100 50 50 50	1 mg/kg STEL/15min mg/m3 442 400 880 880 442 442 441	200 200 100 100	SKIN. SKIN. SKIN. SKIN. SKIN.		=
XYLENE (MIXTURE OF ISOMERS) Threshold Limit Value. Type Country TLV BGR TLV CZE AGW DEU MAK DEU VLA ESP VLEP FRA WEL GRB TLV ITA NDS POL MAK SWE OEL EU TLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value for fresh water Normal value for fresh water sediment	mg/m3 221 200 440 440 221 221 220 221 100	ppm 100 100 50 50 50	STEL/15min mg/m3 442 400 880 880 442 442	200 200 100 100	SKIN. SKIN. SKIN. SKIN. SKIN.	VIAD	T IIIg/Ng/u
Threshold Limit Value. Type Country TLV BGR TLV CZE AGW DEU MAK DEU VLA ESP VLEP FRA WEL GRB TLV ITA NDS POL MAK SWE OEL EU TLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value for fresh water	mg/m3 221 200 440 440 221 221 220 221 100	100 100 50 50 50	mg/m3 442 400 880 880 442 442 441	200 200 100 100	SKIN. SKIN. SKIN. SKIN. SKIN.		
Threshold Limit Value. Type Country TLV BGR TLV CZE AGW DEU MAK DEU VLA ESP VLEP FRA NEL GRB TLV ITA NDS POL MAK SWE DEL EU TLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value for fresh water	mg/m3 221 200 440 440 221 221 220 221 100	100 100 50 50 50	mg/m3 442 400 880 880 442 442 441	200 200 100 100	SKIN. SKIN. SKIN. SKIN. SKIN.		
FLV BGR FLV CZE AGW DEU MAK DEU VLA ESP VLEP FRA MEL GRB FLV ITA NDS POL MAK SWE DEL EU FLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value for fresh water	mg/m3 221 200 440 440 221 221 220 221 100	100 100 50 50 50	mg/m3 442 400 880 880 442 442 441	200 200 100 100	SKIN. SKIN. SKIN. SKIN. SKIN.		
TLV CZE AGW DEU MAK DEU VLA ESP VLEP FRA WEL GRB TLV ITA NDS POL MAK SWE OEL EU TLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value for fresh water Normal value for fresh water	221 200 440 440 221 221 220 221 100	100 100 50 50 50	442 400 880 880 442 442 441	200 200 100 100	SKIN. SKIN. SKIN. SKIN. SKIN.		
TLV CZE AGW DEU MAK DEU VLA ESP VLEP FRA WEL GRB TLV ITA NDS POL MAK SWE DEL EU TLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value for fresh water	200 440 440 221 221 220 221 100	100 50 50 50	400 880 880 442 442	200 100 100 100	SKIN. SKIN. SKIN. SKIN. SKIN.		
AGW DEU MAK DEU VLA ESP VLEP FRA WEL GRB TLV ITA NDS POL MAK SWE DEL EU TLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value for fresh water	440 440 221 221 220 221 100	100 50 50 50	880 880 442 442 441	200 100 100 100	SKIN. SKIN. SKIN. SKIN.		
MAK DEU VLA ESP VLEP FRA WEL GRB TLV ITA NDS POL MAK SWE DEL EU TLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value for fresh water Sormal value for	440 221 221 220 221 100	100 50 50 50	880 442 442 441	200 100 100 100	SKIN. SKIN. SKIN.		
VLA ESP VLEP FRA WEL GRB TLV ITA NDS POL MAK SWE DEL EU TLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value for fresh water sediment	221 221 220 221 100	50 50 50	442 442 441	100 100 100	SKIN. SKIN.		
VLEP FRA WEL GRB FLV ITA NDS POL MAK SWE DEL EU FLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value for fresh water sediment	221 220 221 100	50 50	442 441	100 100	SKIN.		
WEL GRB TLV ITA NDS POL MAK SWE DEL EU TLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value in marine water Normal value for fresh water sediment	220 221 100	50	441	100			
TLV ITA NDS POL MAK SWE DEL EU TLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value for fresh water sediment	221 100				SKIN		
NDS POL MAK SWE DEL EU TLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value in marine water Normal value for fresh water sediment	100	50	442	100	SKIN		
MAK SWE DEL EU FLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value in marine water Normal value for fresh water sediment					0		
DEL EU FLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value in marine water Normal value for fresh water sediment	221						
TLV-ACGIH Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value in marine water Normal value for fresh water sediment		50	442	100	SKIN.		
Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value in marine water Normal value for fresh water sediment	221	50	442	100	SKIN.		
Predicted no-effect concentration - PNEC. Normal value in fresh water Normal value in marine water Normal value for fresh water sediment	434	100	651	150			
Normal value in fresh water Normal value in marine water Normal value for fresh water sediment							
Normal value for water, intermittent release Normal value of STP microorganisms Normal value for the terrestrial compartmer			0,327 0,327 12,46 12,46 0,327 6,58 2,31		mg/l mg/k mg/k mg/l mg/l mg/l	g	
Health - Derived no-effect level - DN Effects				Effects on			
consum	ners.			workers			
Route of exposure Acute lo	ocal Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral.		VND	1,6 mg/kg/d				
Inhalation. 174 mg Skin.	g/m3 174 mg/m3	VND VND	14,8 mg/m3 108 mg/kg/d	289 mg/m3 174 mg/m3	289 mg/m3 VND	77 mg/m3 VND	77 mg/m3 180 mg/kg
Hydrocarbons, C10, aromatics, <1% Health - Derived no-effect level - DN							
Effects	on			Effects on			
Route of exposure consum Acute le		Chronic local	Chronic systemic	workers Acute local	Acute systemic	Chronic local	Chronic systemic
Oral.		VND	7,5 mg/kg/d		Systemic		Systemile
Inhalation.		VND	32 mg/m3			VND	151 mg/m3
Skin.		VND	7,5 mg/kg/d			VND	12,5 mg/kg/d

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alkanes, C14-17, chloro)							
Predicted no-effect concentr	ration - PNEC.							
Normal value in fresh water				0,001 mg				
Normal value in marine water				0,0002 mg/l				
Normal value for fresh water sediment				5 mg/kg				
Normal value for marine water sediment				1		mg/k	g	
Normal value of STP microorganisms				80		mg/l		
Normal value for the food chain (secondary poisoning)				10		mg/k	g	
Normal value for the terrestrial compartment				10,5	mg/kg			
Health - Derived no-effe	ect level - DNEL / D	MEL					_	
	Effects on				Effects on			
	consumers.				workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral.			VND	0,58 mg/kg bw/d				
Inhalation.			VND	2 mg/m3			VND	6,7 mg/m3
Skin.			VND	28,75 mg/kg bw/d			VND	47,9 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.

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

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (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 Directive 89/686/EEC 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 a hood visor or protective visor combined with airtight 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.

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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.

Appearance liquid Colour various

typical of solvent Odour Odour threshold. Not available. Not available. Melting point / freezing point. Not available. Initial boiling point. > 140 °C. Boiling range. Not available. Flash point. 23 ≤ T ≤ 60 Evaporation Rate Not available. Flammability of solids and gases Not available. Lower inflammability limit. Not available. Upper inflammability limit. Not available. Lower explosive limit. Not available. Upper explosive limit. Not available. Vapour pressure. Not available. Vapour density Not available Relative density. Not available.

Solubility soluble in differents organic solvents

Partition coefficient: n-octanol/water
Auto-ignition temperature.
Decomposition temperature.
Viscosity
Not available.
Viscosity
Not available.
Explosive properties
Not available.
Oxidising properties
Not available.
Not available.

9.2. Other information.

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.

1-METHOXY-2-PROPANOL ACETATE: stable but with the air it may slowly develop peroxides that explode with an increase in temperature. CYCLOHEXANONE: may condense under the effect of heat to form resinous compounds. Attacks various types of plastic.

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.

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XYLENE (MIXTURE OF ISOMERS): stable, but may develop violent reactions in the presence of strong oxidising agents such as sulphuric and nitric acids and perchlorates. May form explosive mixtures with the air.

1-METHOXY-2-PROPANOL ACETATE: may react violently with oxidising agents and strong acids and alkaline metals.

CYCLOHEXANONE: risk of explosion on contact with: hydrogen peroxide, nitric acid, heat, mineral acids. Can react violently with oxidising agents. Forms explosive mixtures with the air.

10.4. Conditions to avoid.

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

1-METHOXY-2-PROPANOL ACETATE: store in an inert atmosphere, sheletered from moisture because it hydrolises easily. CYCLOHEXANONE: avoid exposure to sources of heat and naked flames.

10.5. Incompatible materials.

1-METHOXY-2-PROPANOL ACETATE: oxidising agents, strong acids and 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.

SECTION 11. Toxicological information.

11.1. Information on toxicological effects.

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.

This product must be handled carefully because of its possible negative effects on children during the breast-feeding period.

This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.

Acute effects: contact with skin may cause: irritation, erythema, edema, dryness and chapped skin. Ingestion may cause health disorders, including stomach pain and sting, nausea and sickness.

Upon contact with skin, this product causes sensitization (dermatitis). Dermatitis derives from skin irritation on the areas which repeatedly come into contact with the sensitizing agent. Cutaneous lesions may include: erythemas, edemas, papules, vesicles, pustules, scurvies, ulcerations and exudative phenomena, whose intensity varies according to illness seriousness and affected areas. Erythemas, edemas and exudative phenomena prevail during the acute phase. Scurfy skin, dryness, ulcerations and skin thickening prevail during the chronic phase.

Specific target organ toxicity (STOT) - single exposure:

NOAEC> 600 mg / kg Inhalation. Rat.

XYLENE (MIXTURE OF ISOMERS): has a toxic effect on the CNS (encephalopathies). Irritating to the skin, conjunctivae, cornea and respiratory apparatus.

1-METHOXY-2-PROPANOL ACETATE: the main way of entry is the skin, whereas the respiratory way is less important owing to the low vapour tension of the product. Concentrations above 100 ppm cause eye irritation, nose and oropharynx. At 1000 ppm disturbance in the equilibrium and severe eye irritation is observed. Clinical and biological examinations carried out on exposed volunteers revealed no anomalies. Acetate produces greater skin and ocular irritation on direct contact. No chronic effects have been reported in man.

Epoxy resin (number average molecular weight <=700) LD50 (Oral).> 2000 mg/kg Ratto / Rat LD50 (Dermal).> 2000 mg/kg Ratto / Rat

Hydrocarbons, C10, aromatics, <1% naphtalene LD50 (Oral).6318 mg/kg Ratto / Rat

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LD50 (Dermal).> 2000 mg/kg Coniglio / Rabbit LC50 (Inhalation) > 4688 mg/kg/4h Ratto / Rat

XYLENE (MIXTURE OF ISOMERS) LD50 (Oral).3523 mg/kg Rat LD50 (Dermal).4350 mg/kg Rabbit LC50 (Inhalation).26 mg/l/4h Rat

2-METHOXY-1-METHYLETHYL ACETATE

LD50 (Oral).8530 mg/kg Rat

LD50 (Dermal).> 5000 mg/kg Rat

LC50 (Inhalation).> 4345 ppm/6h Ratto / Rat

CYCLOHEXANONE

LD50 (Oral).1535 mg/Kg Ratto / Rat

LD50 (Dermal).1100 mg/Kg Coniglio / Rabbit

LC50 (Inhalation).11 mg/l/4h Ratto / Rat (4h)

BUTYLGLYCOL ACETATE

LD50 (Oral).2000 mg/Kg Ratto / Rat

LD50 (Dermal).2000 mg/Kg Coniglio / Rabbit

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.

Epoxy resin (number average molecular weight

<=700)

LC50 - for Fish. 1,5 mg/l/96h

EC50 - for Crustacea. 1,7 mg/l/48h Daphnia

EC50 - for Algae / Aquatic 9,4 mg/l/72h

Plants.

XYLENE (MIXTURE OF

ISOMERS)

LC50 - for Fish. 2,6 mg/l/96h Fish

1 mg/l/48h Daphnia magna EC50 - for Crustacea.

EC10 for Algae / Aquatic 1,9 mg/l/72h Selenastrum capricornutum

Plants.

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 > 1000 mg/l/72h Selenastrum capricornutum OECD 201

Plants.

Chronic NOEC for Fish. 47,5 mg/l Oryzias latipes 14 gg OECD 204 Chronic NOEC for 100 mg/l Dapnia magna 21 gg OECD 202

Crustacea.

CYCLOHEXANONE

EC50 - for Crustacea. 527 mg/l/96h Fish, Pimephales promelas (96h) EC50 - for Algae / Aquatic > 100 mg/l/72h Scenedesmus subspicatus

Plants

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BUTYLGLYCOL ACETATE

 LC50 - for Fish.
 > 10 mg/l/96h Fish 10-100 mg/kg (48h)

 EC50 - for Crustacea.
 > 100 mg/l/48h Daphnia Magna (24h)

 EC50 - for Algae / Aquatic
 > 100 mg/l/72h Scenedesmus subspicatus

Plants.

12.2. Persistence and degradability.

Epoxy resin (number average molecular weight <=700) NOT rapidly biodegradable.

alkanes, C14-17, chloro NOT rapidly biodegradable.

Hydrocarbons, C10, aromatics, <1% naphtalene Solubility in water

Solubility in water. mg/l immiscibile in H2O

Rapidly biodegradable.

XYLENE (MIXTURE OF

ISOMERS)

Solubility in water. mg/l 100 - 1000

Biodegradability: Information not available.

Rapidly biodegradable.

2-METHOXY-1-

METHYLETHYL ACETATE

Solubility in water. > 10000 mg/l

Rapidly biodegradable.

CYCLOHEXANONE

Solubility in water. mg/l 0,1 - 100

Rapidly biodegradable.

BUTYLGLYCOL ACETATE

Rapidly biodegradable.

12.3. Bioaccumulative potential.

Epoxy resin (number average molecular weight

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<=700) BCF. 31

XYLENE (MIXTURE OF

ISOMERS)

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

2-METHOXY-1-

METHYLETHYL ACETATE
Partition coefficient: n-

Partition coefficient: n- 1,2 octanol/water.

CYCLOHEXANONE

Partition coefficient: n- 0,86

octanol/water.

BUTYLGLYCOL ACETATE

Partition coefficient: n- 1,51 octanol/water.

12.4. Mobility in soil.

XYLENE (MIXTURE OF

ISOMERS)

Partition coefficient: 2,73

soil/water.

CYCLOHEXANONE

Partition coefficient: 1,18

soil/water.

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 greater than 0,1%.

12.6. 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.

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14.1. UN number.

ADR / RID, IMDG,

1210

IATA:

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, Ш

IATA:

14.5. Environmental hazards.

ADR / RID: NO

14.6. Special precautions for user.

ADR / RID: HIN - Kemler: 30

Special Provision: 640E

EMS: F-E, S-D IMDG:

IATA: Cargo:

Pass.:

Special Instructions:

Limited Quantities: 5

Limited Quantities: 5

Maximum quantity: 220

Maximum

quantity: 60 L

A3, A72,

A192

Tunnel restriction code: (D/E)

Packaging instructions: 366 Packaging instructions:

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14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code.

Information not relevant.

SECTION 15. Regulatory information.

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

Seveso category.

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

Product.

Point. 3 - 40

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisarion (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 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.

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information.

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

Flam. Liq. 3 Flammable liquid, category 3

Lact. Reproductive toxicity, effects on or via lactation

Acute Tox. 4 Acute toxicity, category 4

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STOT RE 2 Specific target organ toxicity - repeated exposure, category 2

Aspiration hazard, category 1

Eye Dam. 1 Serious eye damage, category 1

Eye Irrit. 2 Eye irritation, category 2 Skin Irrit. 2 Skin irritation, category 2

Asp. Tox. 1

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

H226 Flammable liquid and vapour.

H362 May cause harm to breast-fed children.

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
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 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 NUMBER: 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: EC Regulation 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 STEL: Short-term exposure limit

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- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

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- 4. Regulation (EU) 2015/830 of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
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- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
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- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- ECHA website

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.