	UPS	Revision nr. 14
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	Safety Data Sheet	
SECTION 1. Identification of the subs	stance/mixture and of the company/un	dertaking
1.1. Product identifier Product name	SB SERIES INK	
1.2. Relevant identified uses of the substance or m Intended use Pad printing ink.	ixture and uses advised against	
1.3. Details of the supplier of the safety data sheet Name Full address District and Country	INKCUPS CORPORATION 310 ANDOVER ST. DANVERS, MA 01945 USA Tel. 978-646-8980	
e-mail address of the competent person		
responsible for the Safety Data Sheet Product distribution by:	compliance@inkcups.com INKCUPS CORP.	
1.4. Emergency telephone number For urgent inquiries refer to	1.800.424.9300	
SECTION 2. Hazards identification		
2.1. Classification of the substance or mixture		
The product is classified as hazardous pursuant to th supplements). The product thus requires a safety datash Any additional information concerning the risks for health	neet that complies with the provisions of (EU) Regulation	n 2015/830.
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.
Serious eye damage, category 1	H318	Causes serious eye damage.
Skin irritation, category 2	H315	Causes skin irritation.
Specific target organ toxicity - single exposure, category 3	H335	May cause respiratory irritation.
Specific target organ toxicity - single exposure, category 3	H336	May cause drowsiness or dizziness.
Hazardous to the aquatic environment, chronic toxicity, category 3	H412	Harmful to aquatic life with long lasting effects.

2.2. Label elements

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azard labelling pursuar	t to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplem	ents.
Hazard pictograms:		
Signal words:	Danger	
zard statements:		
H226 H304 H318 H315 H335 H336 H412	Flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes serious eye damage. Causes skin irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Harmful to aquatic life with long lasting effects.	
ecautionary statement	S.	
P210 P331 P305+P351+P338 P280 P310 P370+P378	Keep away from heat, hot surfaces, sparks, open flames and other ignition s Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contac rinsing. Wear protective gloves/ protective clothing / eye protection / face protection. Immediately call a POISON CENTER or a doctor. In case of fire: use chemical powder, CO2 or dry send to extinguish.	ct lenses, if present and easy to do. Continue
Contains:	AROMATIC HYDROCARBONS, C8-C10 - UVCB CYCLOHEXANONE	
	4-HYDROXY-4-METHYLPENTAN-2-ONE	
	2-METHOXY-1-METHYLETHYL ACETATE	
.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:

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x = Conc. %Classification 1272/2008 (CLP) Identification 4-HYDROXY-4-METHYLPENTAN-2-ONE CAS 123-42-2 $30 \le x \le 32.5$ Flam. Lig. 3 H226, Eye Irrit. 2 H319, STOT SE 3 H335 EC 204-626-7 INDEX 603-016-00-1 Reg. no. 01-2119473975-21xxxx **CYCLOHEXANONE** Flam. Liq. 3 H226, Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 CAS 108-94-1 $18 \le x < 19.5$ H332, Eye Dam. 1 H318, Skin Irrit. 2 H315 EC 203-631-1 INDEX 606-010-00-7 Reg. no. 01-2119453616-35-xxxx AROMATIC HYDROCARBONS,C8C10 Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H335, STOT SE 3 H336. $18 \le x \le 195$ CAS 64742-95-6 Aquatic Chronic 2 H411, EUH066, Classification note according to Annex VI to the CLP Regulation: H P EC 918-668-5 INDEX 649-356-00-4 Reg. no. 01-2119455851-35-xxxx 2-METHOXY-1-METHYLETHYL ACETATE CAS 108-65-6 $13.5 \le x < 15$ Flam. Liq. 3 H226, STOT SE 3 H336 EC 203-603-9 INDEX 607-195-00-7 Reg. no. 01-2119475791-29-xxxx

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

SECTION 4. First aid measures

4.1. Description of first aid measures

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

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

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately. INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

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

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

Information not available

SECTION 5. Firefighting measures

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5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

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

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

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

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

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

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

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

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

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

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

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

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

6.4. Reference to other sections

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

SECTION 7. Handling and storage

7.1. Precautions for safe handling

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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	TRGS 900 (Fassung 31.1.2018 ber.) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte
DNK	Danmark	Graensevaerdier per stoffer og materialer
ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2017
FRA	France	JORF n°0109 du 10 mai 2012 page 8773 texte n° 102
GBR	United Kingdom	EH40/2005 Workplace exposure limits
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NLD	Nederland	Databank of the social and Economic Concil of Netherlands (SER) Values, AF 2011:18
POL	Polska	ROZPORZĄDZENIE MINISTRA PRACY I POLITYKI SPOŁECZNEJ z dnia 7 czerwca 2017 r
PRT	Portugal	Ministério da Economia e do Emprego Consolida as prescrições mínimas em matéria de protecção dos trabalhadores contra os riscos para a segurança e a saúde devido à exposição a agentes químicos no
		trabalho - Diaro da Republica I 26; 2012-02-06
ROU	România	Monitorul Oficial al României 44; 2012-01-19
SWE	Sverige	Occupational Exposure Limit Values, AF 2011:18
TUR	Türkiye	2000/39/EC sayılı Direktifin ekidir
EU	TLV-ÁCGIH	ACGIH 2018
	RCP TLV	ACGIH TLVs and BEIs – Appendix H

4-HYDROXY-4-METHYLPENTAN-2-ONE

Threshold Limit Value							
Туре	Country	TWA/8h		STEL/15min			
		mg/m3	ppm	mg/m3	ppm		
TLV	CZE	200		300			
AGW	DEU	96	20	192	40	SKIN	
МАК	DEU	96	20	192	40	SKIN	
TLV	DNK	240	50				
VLA	ESP	241	50				
VLEP	FRA	240	50				
WEL	GBR	241	50	362	75		
OEL	NLD	120				SKIN	
NDS	POL	240					

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TLV	ROU	150	32	250	53			
MAK	SWE	120	25	240	50			
TLV-ACGIH		238	50					
Predicted no-effect concentration	n - PNEC							
Normal value in fresh water				2	mg	ı/I		
Normal value in marine water				0,2	mg	µ/I		
Normal value for fresh water sed	liment			9,06	mg	J/kg		
Normal value for marine water se	ediment			0,91	mg	J/kg		
Normal value for water, intermitte	ent release			1	mg	ı/I		
Normal value of STP microorgar	nisms			82	mg	ı/I		
Normal value for the terrestrial of	ompartment			0,63	mg	J/kg		
Health - Derived no-effect	Effects on	DMEL			Effects on			
Route of exposure	consumers Acute local	Acute systemic	Chronic local	Chronic	workers Acute local	Acute	Chronic local	Chronic
Oral				systemic 3,4 mg/kg		systemic		systemic
Inhalation				11,8 mg/m3				66,4 mg/m3
Skin				3,4 mg/kg				9,4 mg/kg
-				-, 3.3				-, 5.5
CYCLOHEXANONE Threshold Limit Value								
Туре	Country	TWA/8h		STEL/15min				
		mg/m3	ppm	mg/m3	ppm			
TLV	BGR	40,8		81,6		SKIN		
	BGR CZE	40,8 40		81,6 80		SKIN		
TLV TLV AGW			20	-	20			
TLV AGW	CZE	40	20 10	80	20	SKIN		
TLV AGW TLV	CZE DEU	40 80		80	20	SKIN		
TLV	CZE DEU DNK	40 80 40	10	80 80		SKIN SKIN		
TLV AGW TLV VLA	CZE DEU DNK ESP	40 80 40 41	10 10	80 80 82	20	SKIN SKIN		
TLV AGW TLV VLA VLEP WEL	CZE DEU DNK ESP FRA	40 80 40 41 40,8	10 10 10	80 80 82 81,6	20 20	SKIN SKIN SKIN		
TLV AGW TLV VLA VLEP	CZE DEU DNK ESP FRA GBR	40 80 40 41 40,8 41	10 10 10 10	80 80 82 81,6 82	20 20 20	SKIN SKIN SKIN SKIN		
TLV AGW TLV VLA VLEP WEL VLEP	CZE DEU DNK ESP FRA GBR ITA	40 80 40 41 40,8 41	10 10 10 10	80 80 82 81,6 82 81,6	20 20 20	SKIN SKIN SKIN SKIN		
TLV AGW TLV VLA VLEP WEL VLEP OEL	CZE DEU DNK ESP FRA GBR ITA NLD	40 80 40 41 40,8 41 40,8 41 40,8	10 10 10 10	80 80 82 81,6 82 81,6 50	20 20 20	SKIN SKIN SKIN SKIN		
TLV AGW TLV VLA VLEP WEL VLEP OEL NDS VLE	CZE DEU DNK ESP FRA GBR ITA NLD POL	40 80 40 41 40,8 41 40,8 40	10 10 10 10 10	80 80 82 81,6 82 81,6 50 80	20 20 20 20 20	SKIN SKIN SKIN SKIN SKIN		
TLV AGW TLV VLA VLEP WEL VLEP OEL NDS VLE TLV	CZE DEU DNK ESP FRA GBR ITA ITA NLD POL PRT	40 80 40 41 40,8 41 40,8 40 40,8	10 10 10 10 10 10	80 80 82 81,6 82 81,6 50 80 81,6	20 20 20 20 20 20 20	SKIN SKIN SKIN SKIN SKIN SKIN		
TLV AGW TLV VLA VLEP WEL VLEP OEL NDS VLE TLV MAK	CZE DEU DNK ESP FRA GBR ITA ITA NLD POL PRT ROU	40 80 40 41 40,8 41 40,8 40 40,8 40,8	10 10 10 10 10 10 10 10	80 80 82 81,6 82 81,6 50 80 81,6 81,6	20 20 20 20 20 20 20 20	SKIN SKIN SKIN SKIN SKIN SKIN		
TLV AGW TLV VLA VLEP VLEP OEL NDS VLE TLV MAK ESD	CZE DEU DNK ESP FRA GBR ITA ITA NLD POL PRT ROU SWE	40 80 40 41 40,8 41 40,8 40 40,8 40,8 40,8 40,8 40,8 40,8 41,40,8	10 10 10 10 10 10 10 10 10	80 80 82 81,6 82 81,6 50 80 81,6 81,6 81,6 81,6 81,6 81,6 81,6	20 20 20 20 20 20 20 20 20	SKIN SKIN SKIN SKIN SKIN SKIN SKIN		
TLV AGW TLV VLA VLEP VLEP OEL NDS VLE TLV MAK ESD OEL	CZE DEU DNK ESP FRA GBR ITA NLD POL PRT ROU SWE TUR	40 80 40 41 40,8 41 40,8 40 40,8 40 40,8 40,8 40,8 40,8 40,8 40,8 40,8	10 10 10 10 10 10 10 10 10 10	80 80 82 81,6 82 81,6 50 80 81,6 81,6 81,6 81,6 81,6 81,6 81,6 81,6 81,6	20 20 20 20 20 20 20 20 20 20 20	SKIN SKIN SKIN SKIN SKIN SKIN SKIN SKIN		
TLV AGW TLV VLA VLEP VLEP OEL NDS VLE TLV MAK ESD OEL TLV-ACGIH	CZE DEU DNK ESP FRA GBR ITA NLD POL PRT ROU SWE TUR EU	40 80 40 41 40,8 41 40,8 40 40,8 40,8 40,8 40,8 40,8 40,8 40,8 40,8 40,8 40,8 40,8 40,8 40,8 40,8	10 10 10 10 10 10 10 10 10 10	80 80 82 81,6 82 81,6 50 80 81,6 81,6 81,6 81,6 81,6 81,6 81,6 81,6 81,6	20 20 20 20 20 20 20 20 20 20 20 20 20	SKIN SKIN SKIN SKIN SKIN SKIN SKIN SKIN		
TLV AGW TLV VLA VLEP WEL VLEP OEL NDS VLE TLV MAK ESD OEL TLV-ACGIH Predicted no-effect concentration	CZE DEU DNK ESP FRA GBR ITA NLD POL PRT ROU SWE TUR EU	40 80 40 41 40,8 41 40,8 40 40,8 40,8 40,8 40,8 40,8 40,8 40,8 40,8 40,8 40,8 40,8 40,8 40,8 40,8	10 10 10 10 10 10 10 10 10 10	80 80 82 81,6 82 81,6 50 80 81,6 81,6 81,6 81,6 81,6 81,6 81,6 81,6 81,6	20 20 20 20 20 20 20 20 20 20 20 20 50	SKIN SKIN SKIN SKIN SKIN SKIN SKIN SKIN		
TLV AGW TLV VLA VLEP WEL VLEP OEL NDS	CZE DEU DNK ESP FRA GBR ITA NLD POL PRT ROU SWE TUR EU	40 80 40 41 40,8 41 40,8 40 40,8 40,8 40,8 40,8 40,8 40,8 40,8 40,8 40,8 40,8 40,8 40,8 40,8 40,8	10 10 10 10 10 10 10 10 10 10	80 80 80 81,6 82 81,6 50 80 81,6 81,6 81,6 81,6 81,6 81,6 81,6 81,6 81,6 81,6 201	20 20 20 20 20 20 20 20 20 20 20 20 20	SKIN SKIN SKIN SKIN SKIN SKIN SKIN SKIN		

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			20			Р	age n. 7/20	
Normal value for marine wa	ter sediment			0,0512	mį	g/kg		
Normal value for water, inte	ermittent release			0,329	m	g/l		
Normal value of STP micro	organisms			10	mį	g/l		
Normal value for the terrest	rial compartment			0,0435	mg	g/kg		
Health - Derived no-eff	fect level - DNEL / I Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				1,5 mg/kg bw/d				
Inhalation			VND	10 mg/m3			VND	40 mg/m3
Skin			VND	1 mg/kg bw/d			VND	4 mg/kg bw/d
AROMATIC HYDROCA Threshold Limit Value		UVCB						
Туре	Country	TWA/8h		STEL/15min				
		mg/m3	ppm	mg/m3	ppm			
VLEP	ITA	100	20				1,2,3 trin	netilbenzene
OEL	EU	100	20				1,2,3 trin	netilbenzene
TLV-ACGIH			25				1,2,3 trin	netilbenzene
Health - Derived no-eff	fect level - DNEL / I Effects on consumers	DMEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic

	consumers				WOIKEIS			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
				systemic		systemic		systemic
Oral			VND	11 mg/kg				11 mg/kg
								bw/d
Inhalation			VND	32 mg/m3			VND	150 mg/m3
				-				-
Skin			VND	11 mg/kg			VND	25 mg/kg

2-METHOXY-1-METHYLETHYL ACETATE

alue						
Country TWA/8h		STEL/15min				
	mg/m3	ppm	mg/m3	ppm		
BGR	275		550		SKIN	
CZE	270		550		SKIN	
DEU	270	50	270	50		
DEU	270	50	270	50		
DNK	275	50	550	100	SKIN	
ESP	275	50	550	100	SKIN	
FRA	275	50	550	100	SKIN	
GBR	274	50	548	100		
ITA	275	50	550	100	SKIN	
NLD	550					
POL	260		520			
PRT	275	50	550	100	SKIN	
ROU	275	50	550	100	SKIN	
	Country BGR CZE DEU DEU DNK ESP FRA GBR ITA NLD POL PRT	Country TWA/8h mg/m3 BGR 275 CZE 270 DEU 270 DEU 270 DEU 270 DEU 270 DRK 275 FRA 275 GBR 274 ITA 275 NLD 550 POL 260 PRT 275	Country TWA/8h mg/m3 ppm BGR 275 CZE 270 DEU 270 DEU 270 DEU 270 DEU 270 DEU 270 DEU 275 S0 50 FRA 275 GBR 274 ITA 275 POL 260 PRT 275	Country TWA/8h STEL/15min mg/m3 ppm mg/m3 BGR 275 550 CZE 270 550 DEU 270 50 270 DEU 270 50 270 DEU 270 50 270 DEU 275 50 550 ESP 275 50 550 FRA 275 50 550 GBR 274 50 548 ITA 275 50 550 NLD 550 550 550 POL 260 520 PRT 275 50 550	Country TWA/8h STEL/15min mg/m3 ppm mg/m3 ppm BGR 275 550 550 CZE 270 50 270 50 DEU 270 50 270 50 DEU 270 50 270 50 DEU 270 50 550 100 ESP 275 50 550 100 FRA 275 50 550 100 GBR 274 50 548 100 ITA 275 50 550 100 NLD 550 100 100 100 POL 260 520 100	Country TWA/8h STEL/15min mg/m3 ppm mg/m3 ppm BGR 275 550 SKIN CZE 270 550 SKIN DEU 270 50 270 DEU 270 50 270 DEU 270 50 270 DEU 270 50 270 DNK 275 50 550 100 FRA 275 50 550 100 SKIN GBR 274 50 550 100 SKIN ITA 275 50 550 100 SKIN NLD 550 550 100 SKIN POL 260 520 20 20 PRT 275 50 550 100 SKIN

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МАК	SWE	250	50	400	75	SKIN		
ESD	TUR	230			-			
DEL	EU	275	50	550	100	SKIN		
			50	550	100	01/11		
OEL	EU	275	50	550	100	SKIN		
Predicted no-effect concentra	ation - PNEC							
Normal value in fresh water				0,635	mg			
Normal value in marine wate				0,0635	mg	µ/I		
Normal value for fresh water	sediment			3,29	mg	/kg		
Normal value for marine wate	er sediment			0,329	mg	ı/I		
Normal value for water, intern	mittent release			6,35	mg	µ/I		
Normal value of STP microor	rganisms			100	mg	µ/I		
Normal value for the terrestri	ial compartment			0,29	mg	J/kg		
Health - Derived no-effe	ect level - DNEL / D Effects on	MEL			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	1,67 mg/kg				
Inhalation			33 mg/m3	33 mg/m3	550 mg/m3		VND	275 mg/m3
21 :								
Traduci da: Indonesian			VND	54,8 mg/kg			VND	153,5 mg/kg
Traduci da: Indonesian			VND	54,8 mg/kg			VND	153,5 mg/kg
Traduci da: Indonesiano Predicted no-effect concentra			VND	54,8 mg/kg 0,0032	mg	y/I	VND	153,5 mg/kg
Traduci da: Indonesiano Predicted no-effect concentra Normal value in fresh water	ation - PNEC		VND		mg		VND	153,5 mg/kg
Traduci da: Indonesiano Predicted no-effect concentra Normal value in fresh water Normal value in marine wate	ration - PNEC		VND	0,0032		ı/I	VND	153,5 mg/kg
Traduci da: Indonesiano Predicted no-effect concentra Normal value in fresh water Normal value in marine wate Normal value for fresh water	ration - PNEC er r sediment		VND	0,0032	mg]/l]/kg	VND	153,5 mg/kg
Traduci da: Indonesiano Predicted no-effect concentra Normal value in fresh water Normal value in marine wate Normal value for fresh water Normal value for water, inter	er er r sediment rmittent release		VND	0,0032 0,0032 15,6	mg	n/l n/kg n/l	VND	153,5 mg/kg
Traduci da: Indonesiano Predicted no-effect concentra Normal value in fresh water Normal value in marine wate Normal value for fresh water Normal value for water, intern Normal value of STP microon	ration - PNEC er r sediment rmittent release rrganisms		VND	0,0032 0,0032 15,6 0,0032	mg mg mg mg	n/l n/kg n/l	VND	153,5 mg/kg
Traduci da: Indonesian Predicted no-effect concentra Normal value in fresh water Normal value in marine wate Normal value for fresh water Normal value for water, inter Normal value of STP microo Normal value for the terrestri	ration - PNEC er r sediment rmittent release organisms ial compartment ect level - DNEL / D	DMEL	VND	0,0032 0,0032 15,6 0,0032 35	mg mg mg mg mg	// //kg //	VND	153,5 mg/kg
Traduci da: Indonesiano Predicted no-effect concentra Normal value in fresh water Normal value in marine wate Normal value for fresh water Normal value for water, inter Normal value of STP microo Normal value for the terrestri	ration - PNEC er r sediment rmittent release rganisms ial compartment	DMEL	VND	0,0032 0,0032 15,6 0,0032 35	mg mg mg mg	// //kg //	VND	153,5 mg/kg
Traduci da: Indonesiano Predicted no-effect concentra Normal value in fresh water Normal value in marine wate Normal value for fresh water Normal value for water, intern Normal value of STP microon Normal value of the terrestri Health - Derived no-effe	ration - PNEC er r sediment rmittent release rganisms ial compartment ect level - DNEL / D Effects on	OMEL Acute systemic		0,0032 0,0032 15,6 0,0032 35 0,865 Chronic	mg mg mg mg Effects on	// //kg // // //kg/d Acute	VND	Chronic
Traduci da: Indonesian Predicted no-effect concentra Normal value in fresh water Normal value in marine wate Normal value for fresh water Normal value for water, intern Normal value of STP microon Normal value for the terrestri Health - Derived no-effe Route of exposure	ration - PNEC er r sediment rmittent release irganisms ial compartment ect level - DNEL / D Effects on consumers			0,0032 0,0032 15,6 0,0032 35 0,865	mg mg mg mg Effects on workers	// //kg // // //kg/d		
Traduci da: Indonesiano Predicted no-effect concentra Normal value in fresh water Normal value in marine wate Normal value for fresh water Normal value for water, intern Normal value of STP microor Normal value of STP microor Normal value for the terrestri Health - Derived no-effe Route of exposure Oral	ration - PNEC er r sediment rmittent release irganisms ial compartment ect level - DNEL / D Effects on consumers	Acute systemic		0,0032 0,0032 15,6 0,0032 35 0,865 Chronic	mg mg mg mg Effects on workers	// //kg // // //kg/d Acute		Chronic
Traduci da: Indonesiano Predicted no-effect concentra Normal value in fresh water Normal value in marine wate Normal value for fresh water Normal value for water, intern Normal value of STP microon Normal value of STP microon Normal value for the terrestri Health - Derived no-effe Route of exposure Oral Inhalation	ration - PNEC er r sediment rmittent release irganisms ial compartment ect level - DNEL / D Effects on consumers	Acute systemic		0,0032 0,0032 15,6 0,0032 35 0,865 Chronic systemic 4,4 mg/m3 13 mg/kg	mg mg mg mg Effects on workers	// //kg // // //kg/d Acute		Chronic systemic 17,8 mg/m3 25,5 mg/kg
Traduci da: Indonesiano Predicted no-effect concentra Normal value in fresh water Normal value in marine wate Normal value for fresh water Normal value for water, intern Normal value of STP microon Normal value of STP microon Normal value for the terrestri Health - Derived no-effe Route of exposure Oral Inhalation	ration - PNEC er r sediment rmittent release irganisms ial compartment ect level - DNEL / D Effects on consumers	Acute systemic		0,0032 0,0032 15,6 0,0032 35 0,865 Chronic systemic 4,4 mg/m3	mg mg mg mg Effects on workers	// //kg // // //kg/d Acute		Chronic systemic 17,8 mg/m3
Traduci da: Indonesiano Predicted no-effect concentra Normal value in fresh water Normal value in marine wate Normal value for fresh water Normal value for water, intern Normal value of STP microon Normal value of STP microon Normal value of STP microon Normal value for the terrestri Health - Derived no-effe Route of exposure Oral Inhalation Skin	ration - PNEC er r sediment rmittent release irganisms ial compartment ect level - DNEL / D Effects on consumers	Acute systemic		0,0032 0,0032 15,6 0,0032 35 0,865 Chronic systemic 4,4 mg/m3 13 mg/kg	mg mg mg mg Effects on workers	// //kg // // //kg/d Acute		Chronic systemic 17,8 mg/m3 25,5 mg/kg
Traduci da: Indonesiano Predicted no-effect concentra Normal value in fresh water Normal value in marine wate Normal value for fresh water Normal value for water, intern Normal value of STP microon Normal value of STP microon Normal value of stP microon Normal value for the terrestri Health - Derived no-effe Route of exposure Oral Inhalation Skin N-BUTYL ACETATE Threshold Limit Value	ration - PNEC er r sediment mittent release irganisms ial compartment ect level - DNEL / D Effects on consumers Acute local	Acute systemic 1,3 mg/kg bw/d		0,0032 0,0032 15,6 0,0032 35 0,865 Chronic systemic 4,4 mg/m3 13 mg/kg bw/d	mg mg mg mg Effects on workers	// //kg // // //kg/d Acute		Chronic systemic 17,8 mg/m3 25,5 mg/kg
Traduci da: Indonesiano Predicted no-effect concentra Normal value in fresh water Normal value in marine wate Normal value for fresh water Normal value for water, intern Normal value of STP microon Normal value of STP microon Normal value of stP microon Normal value for the terrestri Health - Derived no-effe Route of exposure Oral Inhalation Skin N-BUTYL ACETATE Threshold Limit Value	ration - PNEC er r sediment rmittent release irganisms ial compartment ect level - DNEL / D Effects on consumers	Acute systemic 1,3 mg/kg bw/d TWA/8h	Chronic local	0,0032 0,0032 15,6 0,0032 35 0,865 Chronic systemic 4,4 mg/m3 13 mg/kg bw/d STEL/15min	mg mg mg mg Effects on workers Acute local	// //kg // // //kg/d Acute		Chronic systemic 17,8 mg/m3 25,5 mg/kg
Traduci da: Indonesiano Predicted no-effect concentra Normal value in fresh water Normal value in marine wate Normal value for fresh water Normal value for stater, intern Normal value for water, intern Normal value of STP microor Normal value for the terrestri Health - Derived no-effe Route of exposure Oral Inhalation Skin N-BUTYL ACETATE Threshold Limit Value Type	ration - PNEC er r sediment rmittent release rganisms ial compartment ect level - DNEL / D Effects on consumers Acute local Country	Acute systemic 1,3 mg/kg bw/d TWA/8h mg/m3		0,0032 0,0032 15,6 0,0032 35 0,865 Chronic systemic 4,4 mg/m3 13 mg/kg bw/d STEL/15min mg/m3	mg mg mg mg Effects on workers	// //kg // // //kg/d Acute		Chronic systemic 17,8 mg/m3 25,5 mg/kg
Traduci da: Indonesian Predicted no-effect concentra Normal value in fresh water Normal value in marine wate Normal value for fresh water Normal value for the swater, inter Normal value of STP microo Normal value of STP microo Normal value of stP microo Normal value for the terrestri Health - Derived no-effe Route of exposure Oral Inhalation Skin N-BUTYL ACETATE Threshold Limit Value Type	ration - PNEC er r sediment rmittent release rrganisms ial compartment ect level - DNEL / D Effects on consumers Acute local Country BGR	Acute systemic 1,3 mg/kg bw/d TWA/8h mg/m3 710	Chronic local	0,0032 0,0032 15,6 0,0032 35 0,865 Chronic systemic 4,4 mg/m3 13 mg/kg bw/d STEL/15min mg/m3 950	mg mg mg mg Effects on workers Acute local	// //kg // // //kg/d Acute		Chronic systemic 17,8 mg/m3 25,5 mg/kg
Traduci da: Indonesiano Predicted no-effect concentra Normal value in fresh water Normal value in marine wate Normal value for fresh water Normal value for water, intern Normal value of STP microon Normal value of STP microon Normal value for the terrestri Health - Derived no-effe Route of exposure Oral Inhalation Skin N-BUTYL ACETATE Threshold Limit Value Type TLV	ration - PNEC Pr r sediment rmittent release rganisms ial compartment ect level - DNEL / D Effects on consumers Acute local Country BGR CZE	Acute systemic 1,3 mg/kg bw/d 1,3 mg/kg bw/d TWA/8h mg/m3 710 950	Chronic local	0,0032 0,0032 15,6 0,0032 35 0,865 Chronic systemic 4,4 mg/m3 13 mg/kg bw/d STEL/15min mg/m3 950 1200	e mg mg mg mg Effects on workers Acute local	// //kg // // //kg/d Acute		Chronic systemic 17,8 mg/m3 25,5 mg/kg
Skin Traduci da: Indonesian Predicted no-effect concentra Normal value in fresh water Normal value in marine wate Normal value for fresh water Normal value for water, inter Normal value of STP microor Normal value of STP microor Normal value for the terrestri Health - Derived no-effe Route of exposure Oral Inhalation Skin N-BUTYL ACETATE Threshold Limit Value Type TLV TLV TLV AGW VLA	ration - PNEC er r sediment rmittent release rrganisms ial compartment ect level - DNEL / D Effects on consumers Acute local Country BGR	Acute systemic 1,3 mg/kg bw/d TWA/8h mg/m3 710	Chronic local	0,0032 0,0032 15,6 0,0032 35 0,865 Chronic systemic 4,4 mg/m3 13 mg/kg bw/d STEL/15min mg/m3 950	mg mg mg mg Effects on workers Acute local	// //kg // // //kg/d Acute		Chronic systemic 17,8 mg/m3 25,5 mg/kg

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VLEP	FRA	710	150	940	200			
WEL	GBR	724	150	966	200			
VLEP	ITA	713	150	950	200			
OEL	NLD	150						
NDS	POL	200		950				
TLV	ROU	715	150	950	200			
MAK	SWE	500	100	700	150			
TLV-ACGIH			50		150			
Predicted no-effect concentra	tion - PNEC							
Normal value in fresh water				0,18	mç	g/l		
Normal value in marine water				0,01	mç	g/l		
Normal value for fresh water	sediment			0,98	mç	g/kg		
Normal value for marine wate	r sediment			0,09	mç	g/kg		
Normal value for water, intern	nittent release			0,36	mç	g/l		
Normal value of STP microor	ganisms			35,6	mç	g/I		
Normal value for the terrestria	al compartment			0,09	mç	g/kg		
Health - Derived no-effe	ct 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
Inhalation	859,7 mg/m3	895,7 mg/m3	102,34 mg/m3	102,34 mg/m3	960 mg/m3	960 mg/m3	480 mg/m3	480 mg/m3
BUTANOL								
Threshold Limit Value								
Туре	Country	TWA/8h		STEL/15min				
		mg/m3	ppm	mg/m3	ppm			
TLV	CZE	300		600		SKIN		
AGW	DEU	310	100	310	100			
MAK	DEU	310	100	310	100			
TLV	DNK	150	50			SKIN		
VLA	ESP	61	20	154	50			
VLEP	FRA			150	50			
WEL	GBR			154	50	SKIN		
OEL	NLD			45				
NDS	POL	50		150				
TLV	ROU	100	33	200	66			
MAK	SWE	45	15	90	30	SKIN		
TLV-ACGIH		61	20					
Predicted no-effect concentra	tion - PNEC							
Normal value in fresh water				0,082	mç	×/I		

Normal value in fresh water	0,082	mg/l
Normal value in marine water	0,0082	mg/l
Normal value for fresh water sediment	0,178	mg/kg
Normal value for marine water sediment	0,0178	mg/kg

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Normal value for water, inte	ermittent release			2,25	mg	g/l		
Normal value of STP micro	organisms			2476	mç	g/l		
Normal value for the terrestrial compartment				0,015	mg	j/kg		
Health - Derived no-ef	fect level - DNEL / D Effects on	DMEL			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	3125 mg/kg				
Inhalation			55 mg/m3	VND			310 mg/m3	VND
2 ethylanthraquinone								
Throchold Limit Value								

Threshold Limit Va	lue				
Туре	Country	TWA/8h		STEL/15min	
51.5	,				
		mg/m3	ppm	mg/m3	ppm
		J		5.	11
RCP TLV		10			

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.

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

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

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (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.

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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

VOC (Directive 2010/75/EC) :	81,54 %
VOC (volatile carbon) :	55,60 %

SECTION 10. Stability and reactivity

10.1. Reactivity

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

4-HYDROXY-4-METHYLPENTAN-2-ONE Decomposes at temperatures above 90°C/194°F.

CYCLOHEXANONE Attacks various types of plastic materials.

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

2-METHOXY-1-METHYLETHYL ACETATE Stable in normal conditions of use and storage.

With the air it may slowly develop peroxides that explode with an increase in temperature.

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.

4-HYDROXY-4-METHYLPENTAN-2-ONE Risk of explosion on contact with: air,sources of heat.May react dangerously with: alkaline metals,amines,oxidising agents,acids.

CYCLOHEXANONE

Risk of explosion on contact with: hydrogen peroxide, nitric acid, heat, mineral acids. May react violently with: oxidising agents. Forms explosive mixtures with: air.

2-METHOXY-1-METHYLETHYL ACETATE May react violently with: oxidising substances, strong acids, alkaline metals.

10.4. Conditions to avoid

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

4-HYDROXY-4-METHYLPENTAN-2-ONE Avoid exposure to: light,sources of heat,naked flames.

CYCLOHEXANONE Avoid exposure to: sources of heat, naked flames.

10.5. Incompatible materials

2-METHOXY-1-METHYLETHYL ACETATE Incompatible with: oxidising substances,strong acids,alkaline metals.

10.6. Hazardous decomposition products

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

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 toxicological effects

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Metabolism, toxicokinetics, mechanism of action and other information

2-METHOXY-1-METHYLETHYL ACETATE

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

Information on likely routes of exposure

4-HYDROXY-4-METHYLPENTAN-2-ONE

WORKERS: inhalation; contact with the skin.

2-METHOXY-1-METHYLETHYL ACETATE

WORKERS: inhalation; contact with the skin.

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

4-HYDROXY-4-METHYLPENTAN-2-ONE

Acute toxicity causes irritation of the eyes, nose and throat in humans at 100 ppm (476 mg/kg) and pulmonary disorders at 400 ppm. No chronic effects on humans have been reported. The substance may have a depressive effect on the respiratory centres and cause death from respiratory failure.

2-METHOXY-1-METHYLETHYL ACETATE

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

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture: > 20 mg/l LD50 (Oral) of the mixture: >2000 mg/kg LD50 (Dermal) of the mixture: >2000 mg/kg

AROMATIC HYDROCARBONS, C8-C10 - UVCB

LD50 (Oral) 3492 mg/kg Ratto / Rat

LD50 (Dermal) > 3160 mg/kg Ratto / Rat

LC50 (Inhalation) > 6193 mg/l/4h Ratto / Rat

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2-METHOXY-1-METHYLETHYL ACETATE

LD50 (Oral) 8500 mg/kg Ratto / Rat

LD50 (Dermal) > 5000 mg/kg Coniglio / Rabbit

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

4-HYDROXY-4-METHYLPENTAN-2-ONE

LD50 (Oral) 3002 mg/kg Rat

LD50 (Dermal) > 1875 mg/kg Ratto / Rat

LC50 (Inhalation) > 7,6 mg/l Ratto / Rat

CYCLOHEXANONE

LD50 (Oral) 1535 mg/kg Ratto / Rat

LD50 (Dermal) 1100 mg/kg 794 - 3160 / Coniglio / Rabbit

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

SKIN CORROSION / IRRITATION

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

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May cause respiratory irritation May cause drowsiness or dizziness

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Toxic for aspiration

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**

AROMATIC HYDROCARBONS, C8-C10 - UVCB	
LC50 - for Fish	> 9,2 mg/l/96h Oncorhynchus mykiss
EC50 - for Crustacea	> 3,2 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	> 2,9 mg/l/72h Pseudokirchneriella subcapitata
2-METHOXY-1-METHYLETHYL ACETATE	
LC50 - for Fish	134 mg/l/96h Pesce, Oncorhynchus mykiss OECD 203
EC50 - for Crustacea	> 500 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	> 1000 mg/l/72h Selenastrum capricornutum OECD 201
Chronic NOEC for Fish	47,5 mg/l Oryzias latipes 14 gg OECD 204
Chronic NOEC for Crustacea	100 mg/l Dapnia magna 21 gg OECD 202
4-HYDROXY-4-METHYLPENTAN-2-ONE	
LC50 - for Fish	> 100 mg/l/96h Oryzias latipes
EC50 - for Crustacea	> 1000 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	< 1000 mg/l/72h Pseudokirchneriella subcapitata
CYCLOHEXANONE	

OT DEDITE/V (NOTILE
LC50 - for Fish
EC50 - for Crustacea
EC50 - for Algae / Aquatic Plants

12.2. Persistence and degradability

AROMATIC HYDROCARBONS, C8-C10 -UVCB Rapidly degradable 527 mg/l/96h 527 - 732 / Pimephales promelas

- > 100 mg/l/48h Daphnia magna
- > 100 mg/l/72h Scenedesmus subspicatus

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2-METHOXY-1-METHYLETHYL ACETATE	
Solubility in water	> 10000 mg/l
Rapidly degradable	
4-HYDROXY-4-METHYLPENTAN-2-ONE	
Solubility in water	1000 - 10000 mg/l
Rapidly degradable	
CYCLOHEXANONE	
Solubility in water	86 mg/l
Rapidly degradable 12.3. Bioaccumulative potential	
2-METHOXY-1-METHYLETHYL ACETATE	
Partition coefficient: n-octanol/water	1,2
BCF	1,2
4-HYDROXY-4-METHYLPENTAN-2-ONE	
Partition coefficient: n-octanol/water	-0,09
CYCLOHEXANONE	
Partition coefficient: n-octanol/water	0.86
12.4. Mobility in soil	
2-METHOXY-1-METHYLETHYL ACETATE	
Partition coefficient: soil/water	1,7
CYCLOHEXANONE	
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 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

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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

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
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: -	-	0000. (B/E)
IMDG:	EMS: F-E, S-D	Limited Quantities: 5	
IATA:	Cargo:	L Maximum quantity: 220	Packaging instructions:

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Pass.:	L Maximum quantity: 60 L	366 Packaging instructions:			
Special Instructions:	A3, A72, A192	355			
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code					
Information not relevant					
SECTION 15. Regulatory information					
15.1. Safety, health and environmental regulations/legislation specific for the sul	bstance or mixture				
Seveso Category - Directive 2012/18/EC: P5c					
Restrictions relating to the product or contained substances pursuant to Annex XVII to E	EC Regulation 1907/2006				
Product Point 3 - 40					
Substances in Candidate List (Art. 59 REACH)					
On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.					
Substances subject to authorisation (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	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	s it contains.				

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SECTION 16. Other information

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

Flam. Liq. 3	Flammable liquid, category 3
Acute Tox. 4	Acute toxicity, category 4
Asp. Tox. 1	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
STOT SE 3	Specific target organ toxicity - single exposure, category 3
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.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H304	May be fatal if swallowed and enters airways.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
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

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TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.

- TWA STEL: Short-term exposure limit
- 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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- 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.

Changes to previous review: The following sections were modified: 02 / 03 / 09 / 11.