

New Fantachrome International S.r.I. V.le J. F. Kennedy, 154/156-10040 Leini (TO) - Italy

Reg. (EU) REACH 1907/2006

Revision n.1

Date 02/02/2024

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FONDO K391 ITALYMARINE

prepared in accordance with format Reg. 2020/878

Safety Data Sheet

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

1.1. Product identifier				
Code:	NF.PRI.K391			
Product name	FONDO K391			
I.2. Relevant identified u	ses of the substance o	r mixture and uses advised	l against	
Intended use		FINISHED FOR INDUS	TRIAL COATINGS	
Identified Uses		Industrial	Professional	Consumer
PAINT FOR INDUSTR	Y	ERC: 5, 8c.		
		PROC: 10, 19, 7.		
		AC: 0, 1.		
		PC: 9a.		
		LCS: IS, PW.	<u>_</u>	_
1.3. Details of the suppli	er of the safety data she	eet	-	-
News	····· ·			
Name Full address		NEWFANTACHROME	INTERNATIONAL S.R.L.	
Full address		V.Ie J. F. Kennedy, 154 10040 Leini (TO) Italy	/150	
District and Country		Company emergency p	hone numbers	
		Tel. +39 119969224 - +	39 335353527	
e-mail address of the c responsible for the Safe	ompetent person ety Data Sheet	newfantachrome@nev	vfantachrome.com	
1.4. Emergency telephor	e number			
F orman time interaction	4-	Centro Antiveleni, Azi	enda Ospedaliera "Antonio Ca	ardarelli", III Servizio di
For urgent inquiries ref	er to	anestesia e rianimazio	ne, via Antonio Cardarelli 9, 8	0131 Napoli (081-5453333);
		Centro Antiveleni, Azi	enda Ospedaliera universitaria	a Careggi, U.O. Tossicologia
		medica, via Largo Bra	mbilla3, 50134 Firenze (055-79	947819);
		Centro Antiveleni, Cer	itro nazionale d'informazione	tossicologica, IRCCS
		Fondazione Salvatore	Maugeri Clinica del lavoro e d	lella riabilitazione, via Salvatore
		Maugeri 10, 27100 Pav	'la (0382-24444);	Creade aisare Considels
		Centro Antiveleni, Azi	anda ospedallera Niguarda Ca	i Grande, plazza Ospedale
		Contro Antivoloni Azi	anda ospedaliera "Papa Giova	anni XXIII" tossicologia clinica
		Dipartimento di farma	cia clinica e farmacologia, pia	zza OMS 1, 24127 Bergamo
		(800883300);		
		Centro Antiveleni Poli	clinico "Umberto I", PRGM tos	ssicologia di urgenza, viale del
		Policlinico 155, 161 Ro	oma (06-49978000);	
		Centro Antiveleni del I	Policinico "Agostino Gemelli"	', Servizio di tossicologia
		clinica, largo Agostino) Gemelli 8, 168 Roma (06-305	4343); viuniti viele Luini Dinte 4
		Centro Antiveleni, Azi	anda ospedallera universitaria	a riuniti, viale Luigi Pinto 1,
		Centro Antivoloni Con	+09), adala nadiatrica Rambina Ca	sù Dipartimonto omorgonzo o
		accettazione DEA nie	zza Sant'Onofrio 4 00165 Por	na (06-68593726).
		Centro Antiveieni dell	Azienda ospedallera liniveren	aria integrata (Acici) di Verona

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation



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SECTION 2. Hazards identification ... / >>

2020/878.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:		
Flammable liquid, category 3	H226	Flammable liquid and vapour.
Specific target organ toxicity - repeated exposure, category 2	H373	May cause damage to organs through prolonged or repeated exposure.
Eye irritation, category 2	H319	Causes serious eye irritation.
Skin irritation, category 2	H315	Causes skin irritation.
Specific target organ toxicity - single exposure, category 3	H335	May cause respiratory irritation.
Skin sensitization, category 1	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment, chronic toxicity, category 2	H411	Toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms:



Warning
Flammable liquid and vapour.
May cause damage to organs through prolonged or repeated exposure.
Causes serious eye irritation.
Causes skin irritation.
May cause respiratory irritation.
May cause an allergic skin reaction.
Toxic to aquatic life with long lasting effects.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Wear protective gloves/ protective clothing / eye protection / face protection.
In case of fire: use CO2, foam, a dry powder fire extinguisher to extinguish.
Avoid release to the environment.
Collect spillage.
Avoid breathing dust / fume / gas / mist / vapours / spray.
Yulono, mixturo of icomoro
Aylene, mixture of isomers Enory Pasia Risabonal A and Enichloridring (700 < MW < 1100)
Hydrocarbons C9 aromatics

Product not intended for uses provided for by Directive 2004/42/EC.

2.3. Other hazards

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

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



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SECTION 3. Composition/information on ingredients

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3.2. Mixtures

Information not relevant

Contains:			
Identification		x = Conc. %	Classification (EC) 1272/2008 (CLP)
Epoxy Resin	Bisphenol A and Ep	ichloridrine (700 <mw< td=""><td><1100)</td></mw<>	<1100)
INDEX		$20 \le x \le 30$	Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317
EC			
CAS	25036-25-3		
REACH Reg.	Polymer		
Xylene, mixtu	re of isomers	10 < 4 < 00	Flow Lin 2 11000 Acute Tex 4 11240 Acute Tex 4 11220 Acu Tex 4 11204
INDEX	607-022-00-9	10 S X < 20	STOT RE 2 H373, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Aquatic Chronic 3 H412, Classification note according to Annex VI to the CLP Regulation: C
EC	215-535-7		STA Dermal: 1100 mg/kg, STA Inhalation vapours: 11 mg/l
CAS	1330-20-7		
REACH Reg.	01-2119488216-32		
1-methoxypro	opan-2-ol		
INDEX	603-064-00-3	1≤x< 6	Flam. Liq. 3 H226, STOT SE 3 H336
EC	203-539-1		
CAS	107-98-2		
REACH Reg.	01-211945/435-35		
ISO-butanol	602 408 00 4	1 < 4 < 0	
INDEX	603-708-00-7	1 × × 5	STOT SE 3 H336
EC	201-148-0		
CAS	78-83-1		
REACH Reg.	01-2119484609-23		
2-methoxy-1-	methylethyl acetate		
INDEX	607-195-00-7	1≤x< 6	Flam. Liq. 3 H226, STOT SE 3 H336
EC	203-603-9		
CAS	108-65-6		
REACH Reg.	01-21194/5/91-29		
		0 < x < 2 5	Aquatia Aquata 1 H400 M=1. Aquatia Chrania 1 H410 M=1
	221 011 2	$0 \leq \chi \leq 2,3$	Aqualic Acule 1 H400 M-1, Aqualic Chronic 1 H410 M-1
CAS	237-944-3 7770_00_0		
CAS REACH Rea	01_2110485044_40		
Ethylbenzene	01-2119-030		
INDEX	601-023-00-4	1≤x< 6	Flam, Lig. 2 H225, Acute Tox, 4 H332, Asn. Tox, 1 H304, STOT RF 2 H373
			Aquatic Chronic 3 H412
EC	202-849-4		STA Inhalation vapours: 11 mg/l
CAS	100-41-4		
REACH Rea.	01-2119489370-35		
Hydrocarbon	s, C9, aromatics		
INDEX		0 ≤ x < 2,5	Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H335, STOT SE 3 H336,
			Aquatic Chronic 2 H411, EUH066
EC	918-668-5		
CAS			
REACH Reg.	01-2119455851-35		
n-butyl acetat	te		
INDEX	607-025-00-1	0,5 ≤ x < 0,8	Flam. Liq. 3 H226, STOT SE 3 H336, EUH066
EC	204-658-1		
CAS	123-86-4		
REACH Reg.	01-2119485493-29		



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SECTION 3. Composition/information on ingredients/>>

Formaldehyd INDEX	e 605-001-00-5 0 ≤ x < 0,01	Carc. 1B H350, Muta. 2 H341, Acute Tox. 3 H301, Acute Tox. 3 H311, Acute
		Sens. 1 H317, Classification note according to Annex VI to the CLP Regulation: B, D
EC	200-001-8	Skin Corr. 1B H314: ≥ 25%, Skin Irrit. 2 H315: ≥ 5%, Skin Sens. 1 H317: ≥ 0.2%, STOT SE 3 H335: ≥ 5%
CAS	50-00-0	STA Oral: 100 mg/kg, STA Dermal: 300 mg/kg, STA Inhalation vapours: 3 mg/l
REACH Reg.	01-2119488953-20	

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

SECTION 4. First aid measures

4.1. Description of first aid measures

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

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

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

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

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

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

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

UNSUITABLE EXTINGUISHING EQUIPMENT

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

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

GENERAL INFORMATION

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

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

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

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



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SECTION 6. Accidental release measures/>>

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

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

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

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

6.4. Reference to other sections

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

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
EU	OEL EU	Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU)
		2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive
		2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive
		91/322/EEC



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SECTION 8. EXP	posure control	s/personal p	rotection	/ >>

				n-but	yl acetate				
nreshold Limit Va	lue								
Туре	Country	TWA/8h		STEL/15	min	Remarks /	Observations		
		mg/m3	ppm	mg/m3	ppm				
VLEP	ITA	241	50	723	150				
OEL	EU	241	50	723	150				
redicted no-effect	concentra	tion - PNE	С						
Normal value in f	resh water						0,18	mg/l	
Normal value in r	narine wate	r					0,018	mg/kg	
Normal value for	fresh water	sediment					0,981	mg/kg	
Normal value for	marine wate	er sedimen	t				0,098	mg/kg	
Normal value for	water, inter	mittent rele	ase				0,36	mg/l	
Normal value of S	STP microo	rganisms					35,6	mg/l	
Normal value for	the terrestri	al compart	ment				0,09	mg/Kg soil	
ealth - Derived no	-effect leve	el - DNEL /	DMEL						
	Effec	cts on cons	umers			Effects on w	orkers		
Route of exposur	e Acut	e Ac	ute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	sys	stemic	local	systemic	local	systemic	local	systemic
Oral					2		-		
					mg/kg bw/d				
Inhalation	300	30	0	35,7	35,7	600	600	300	300
	mg/n	n3 mo	ı/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Skin	0		•	0	6	0	0	0	11
					ma/ka bw/d				ma/ka
reshold I imit Va	lue			Ethy	Ibenzene				
Туре	Country	TWA/8h		STEL/15	min	Remarks /	Observations		
.)		ma/m3	maa	ma/m3	maa				
VIEP	ΙΤΑ	442	100	884	200	SKIN			
OFI	FU	442	100	884	200	SKIN			
redicted no-effect	concentra	tion - PNF	C	001	200	Grant			
Normal value in f	resh water		•				0.1	ma/l	
Normal value in r	narine wate	r					0.01	ma/l	
Normal value for	fresh water	sediment					13 7	ma/ka	
Normal value for	marine wat	er sedimen	t				1 37	ma/ka	
Normal value for	water inter	mittent rele	ase				0.1	ma/l	
Normal value of 9	STP microo	roanisms					9.6	ma/l	
Normal value for	the food ch	ain (second	larv noisonir	na)			0.02	a/ka food	
Normal value for	the terrestri	al compart	ment	' <i>'</i> '			2.68	ma/ka soil	
ealth - Derived no		a oonpart	DMFI				2,00		
Salar Bonnoa no	Fffor	rts on cone	umers			Effects on w	orkers		
Route of exposur			ute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
reduce of exposul			stemic	local	systemic	local	systemic	local	systemic
Oral	iocal	Sys	Jonno	10001	1.6	1000	Systemic	iocai	systemic
					n,0 ma/ka bw/d				
Inhalation					15	203			77
malalion					10	230			11
					ma/m?	ma/m3			ma/m?
Skin					mg/m3	mg/m3			mg/m3

mg/kg bw/d



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SECTION 8. Exposure controls/personal protection/>>

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				i enna	,				
hreshold Limit Val	ue				-!	Demontra //	Ohaamiatiana		
туре	Country	TVVA/80		STEL/150	nin	Remarks / G	Joservations		
		0.27	ppm	0.74	ppm				
			0,5	0,74	0,0				
redicted no-effect	concentra	tion - PNEC					0.44		
Normal value in fr	esn water						0,44	mg/I	
Normal value in m	narine wate	r					0,44	mg/l	
Normal value for t	resh water	sediment					2,3	mg/kg	
Normal value for i	marine wate	er sediment					2,3	mg/kg	
Normal value for v	water, interi	mittent relea	se				4,44	mg/l	
Normal value of S	TP microor	ganisms					0,19	mg/l	
Normal value for t	he terrestri	al compartm	ent				0,2	mg/kg soil	
ealth - Derived no	effect leve	el - DNEL / D	OMEL						
	Effec	ts on consu	mers			Effects on wo	orkers		
Route of exposure	e Acut	e Acu	te	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	syst	emic	local	systemic	local	systemic	local	systemic
Oral					4,1		•		-
					ma/ka bw/d				
Inhalation				0.1	32	0.75		0 375	9
				ma/m3	ma/m3	ma/m3		ma/m3	ma/m3
Skin				12	102	ingino		37	240
ONIT				nierog/om2	nuz ma/ka bw/d			microa/om2	270 ma/ka
				microg/cm2	my/ky bw/d			microg/cm2	hiy/kg
									Dw/u
breshold Limit Val	110			iso-	outanol				
Type	Country	TWA/8h		STEL/15n	nin	Remarks / (Observations		
. , po	Country	ma/m2	nnm	ma/m2	nnm	Kernarks / V			
		mg/ma	ppiii	114/113	PDU1				
VLEP redicted no-effect Normal value in fr Normal value in n	ITA concentra esh water narine water	tion - PNEC	50				0,4 0,04 1,56	mg/l mg/l	
VLEP redicted no-effect Normal value in fr Normal value in n Normal value for 1 Normal value for 1	ITA concentra esh water narine wate resh water marine wate water, inter	tion - PNEC r sediment er sediment mittent relea	50 se				0,4 0,04 1,56 0,156 11	mg/l mg/l mg/l mg/kg mg/l	
VLEP redicted no-effect Normal value in fr Normal value in n Normal value for i Normal value for v Normal value of S	ITA concentra esh water narine wate resh water marine wate water, intern TP microor	tion - PNEC r sediment er sediment mittent relea rganisms	50 se				0,4 0,04 1,56 0,156 11 10	mg/l mg/l mg/l mg/kg mg/l mg/l	
VLEP redicted no-effect Normal value in fr Normal value in m Normal value for i Normal value for i Normal value of S Normal value of s	ITA concentra esh water narine wate resh water marine water water, intern TP microor he terrestri	tion - PNEC r sediment er sediment mittent relea ganisms al compartm	50 se				0,4 0,04 1,56 0,156 11 10 0,076	mg/l mg/l mg/kg mg/l mg/l mg/kg soil	
VLEP redicted no-effect Normal value in fr Normal value in m Normal value for i Normal value for i Normal value of S Normal value for feath - Derived no	ITA concentra esh water narine wate rresh water marine water water, intern TP microon he terrestri effect leve	tion - PNEC r sediment er sediment mittent relea rganisms al compartm b - DNEL / L	se ent				0,4 0,04 1,56 0,156 11 10 0,076	mg/l mg/l mg/kg mg/l mg/l mg/Kg soil	
VLEP redicted no-effect Normal value in fr Normal value in m Normal value for n Normal value for n Normal value of S Normal value of the eatth - Derived no	ITA concentra esh water narine wate rresh water, intern water, intern TP microon he terrestri effect leve Effec	tion - PNEC r sediment er sediment mittent relea rganisms al compartm el - DNEL / E ts on consu	se ent DMEL mers			Effects on wo	0,4 0,04 1,56 0,156 11 10 0,076	mg/l mg/l mg/kg mg/l mg/l mg/Kg soil	
VLEP redicted no-effect Normal value in fr Normal value in rf Normal value for r Normal value for r Normal value of S Normal value of s Normal value for t ealth - Derived no-	TA concentra esh water narine wate rresh water marine water, intern TP microor he terrestri eeffect leve Effect	tion - PNEC r sediment er sediment mittent relea rganisms al compartm el - DNEL / I cts on consul e Acu	se ent DMEL mers	Chronic	Chronic	Effects on wo	0,4 0,04 1,56 0,156 11 10 0,076	mg/l mg/l mg/kg mg/l mg/l mg/Kg soil	Chronic
VLEP redicted no-effect Normal value in fr Normal value in m Normal value for f Normal value for v Normal value of S Normal value of s Normal value of t ealth - Derived no	TA concentra esh water harine wate rresh water marine water water, intern TP microor he terrestri effect leve Effect e Acut	tion - PNEC r sediment er sediment mittent relea rganisms al compartm al compartm el - DNEL / D ts on consul e Acu	se se DMEL mers te emic	Chronic	Chronic	Effects on wo	0,4 0,04 1,56 0,156 11 10 0,076 orkers Acute	mg/l mg/l mg/kg mg/l mg/l mg/Kg soil	Chronic
VLEP redicted no-effect Normal value in fr Normal value in m Normal value for f Normal value for v Normal value of S Normal value of S Normal value of t ealth - Derived no	ITA concentra esh water harine wate tresh water marine water water, intern TP microor he terrestri -effect leve Effect e Acute local	tion - PNEC r sediment er sediment mittent relea rganisms al compartm - DNEL / E ts on consul e Acu syst	se ent DMEL mers te emic	Chronic local	Chronic systemic	Effects on wor Acute local	0,4 0,04 1,56 0,156 11 10 0,076 orkers Acute systemic	mg/l mg/l mg/kg mg/l mg/l mg/Kg soil Chronic local	Chronic systemic
VLEP redicted no-effect Normal value in fr Normal value in m Normal value for f Normal value for v Normal value of S Normal value of S Normal value for f ealth - Derived no Route of exposure	ITA concentra esh water harine water resh water marine water water, intern TP microor he terrestri effect leve Effec e Acute local	tion - PNEC r sediment er sediment mittent relea rganisms al compartm el - DNEL / E tts on consul e Acu syst	se ent DMEL mers te emic	Chronic local 55	Chronic systemic	Effects on wo Acute local	0,4 0,04 1,56 0,156 11 10 0,076 orkers Acute systemic	mg/l mg/l mg/l mg/kg mg/l mg/Kg soil Chronic local 310	Chronic systemic
VLEP redicted no-effect Normal value in fr Normal value in fr Normal value for f Normal value for f Normal value of S Normal value of S Normal value for f ealth - Derived no- Route of exposure Inhalation	ITA concentra esh water narine wate rresh water, interi water, interi TP microor he terrestri effect leve Effec e Acute local	tion - PNEC r sediment er sediment mittent relea ganisms al compartm al compartm bl - DNEL / E cts on consul e Acu syst	se ent DMEL mers te emic	Chronic local 55 mg/m3	Chronic systemic	Effects on wo Acute local	0,4 0,04 1,56 0,156 11 10 0,076 orkers Acute systemic	mg/l mg/l mg/kg mg/l mg/l mg/Kg soil Chronic local 310 mg/m3	Chronic systemic
VLEP redicted no-effect Normal value in fr Normal value in m Normal value for i Normal value for i Normal value of S Normal value of S Route of exposure Inhalation	ITA concentra esh water narine wate resh water marine wate water, intern TP microor he terrestri effect leve Effec e Acut local	tion - PNEC r sediment er sediment mittent relea rganisms al compartm el - DNEL / I cts on consul e Acu syst	se ent DMEL mers te emic	Chronic local 55 mg/m3	Chronic systemic	Effects on wo Acute local	0,4 0,04 1,56 0,156 11 10 0,076 orkers Acute systemic	mg/l mg/l mg/kg mg/l mg/Kg soil Chronic local 310 mg/m3	Chronic systemic
VLEP redicted no-effect Normal value in m Normal value in m Normal value for n Normal value for n Normal value of S Normal value of S Normal value for t ealth - Derived no- Route of exposure Inhalation	ITA concentra esh water harine water marine water water, intern TP microor he terrestri -effect leve Effect e Acute local	tion - PNEC r sediment er sediment mittent relea ganisms al compartm - DNEL / E ts on consul e Acu syst	se ent DMEL mers te emic	Chronic local 55 mg/m3 Trizinc bis(or	Chronic systemic	Effects on wo Acute local	0,4 0,04 1,56 0,156 11 10 0,076 orkers Acute systemic	mg/l mg/l mg/kg mg/l mg/Kg soil Chronic local 310 mg/m3	Chronic systemic
VLEP redicted no-effect Normal value in fr Normal value in fr Normal value for i Normal value for i Normal value of S Normal value of S Normal value of s Route of exposure Inhalation	ITA concentra esh water harine water marine water water, intern TP microor he terrestri effect leve Effect e Acute local concentra esh water	tion - PNEC r sediment er sediment mittent relea rganisms al compartme e Acu syst	se ent DMEL mers te emic	Chronic local 55 mg/m3 Trizinc bis(or	Chronic systemic	Effects on wo Acute local	0,4 0,04 1,56 0,156 11 10 0,076 orkers Acute systemic	mg/l mg/l mg/kg mg/l mg/Kg soil Chronic local 310 mg/m3	Chronic systemic
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VLEP redicted no-effect Normal value in fr Normal value for i Normal value for i Normal value of S Normal value of S Normal value of S ealth - Derived no Route of exposure Inhalation redicted no-effect Normal value in fr Normal value in for Normal value in for Normal va	ITA concentra esh water narine wate iresh water marine wate water, intern ITP microor he terrestri effect leve Effect e Acute local concentra esh water marine wate iresh water marine wate TP microor he terrestri effect leve Effect e Acute local internestri effect leve Effect local	tion - PNEC r sediment mittent relea rganisms al compartme el - DNEL / I tots on consule Acu syst tion - PNEC r sediment er sediment rganisms al compartme el - DNEL / I tots on consule e Acu syst	se eent DMEL mers te eemic	Chronic local 55 mg/m3 Trizinc bis(or Chronic local	Chronic systemic rthophosphat Chronic systemic 0,83 mg/kg bw/d	Effects on work Acute local e) Effects on work Acute local	0,4 0,04 1,56 0,156 11 10 0,076 0,0001 1,17,8 56,5 0,1 35,6 0,01 35,6 0,01 0,076	mg/l mg/l mg/kg mg/l mg/kg soil Chronic local 310 mg/m3 mg/l mg/l mg/kg mg/l mg/kg mg/l mg/kg soil Chronic local	Chronic systemic
VLEP redicted no-effect Normal value in fr Normal value for f Normal value for f Normal value for f Normal value of S Normal value of S Normal value of f ealth - Derived no Route of exposure Inhalation redicted no-effect Normal value in fr Normal value in fr Normal value for f Normal value for f	ITA concentra esh water narine wate resh water marine wate water, intern TP microon he terrestri effect leve Effect e Acute local concentra esh water narine wate resh water marine wate resh water marine wate concentra esh water marine water fresh water marine water fresh water arine water effect leve Effect e Acute Local	tion - PNEC r sediment rganisms al compartment el - DNEL / I cts on consume e Acu syst tion - PNEC r sediment rganisms al compartme el - DNEL / I cts on consume e Acu syst	se eent DMEL mers te emic	Chronic local 55 mg/m3 Trizinc bis(or Chronic local	Chronic systemic rthophosphat Chronic systemic 0,83 mg/kg bw/d 2,5	Effects on work Acute local e) Effects on work Acute local	0,4 0,04 1,56 0,156 11 10 0,076 wkers Acute systemic 0,0206 0,0061 117,8 56,5 0,1 35,6 wkers Acute systemic	mg/l mg/l mg/kg mg/l mg/kg soil Chronic local 310 mg/m3 mg/m3	Chronic systemic
VLEP redicted no-effect Normal value in fr Normal value for i Normal value for i Normal value for i Normal value of S Normal value of ealth - Derived no Route of exposure Inhalation redicted no-effect Normal value in fr Normal value for i Normal value for f Normal value for f S Normal value for f C Route of exposure Route of exposure Oral Inhalation	ITA concentra esh water narine wate resh water marine wate water, intern TP microon he terrestri effect leve Effect e Acute local Concentra esh water narine wate resh water marine wate resh water marine wate resh water marine wate Effect leve e Acute local	tion - PNEC r sediment rganisms al compartm el - DNEL / I cts on consul e Acu syst tion - PNEC r sediment er sediment rganisms al compartm el - DNEL / I cts on consul e Acu syst	se eent DMEL mers te emic	Chronic local 55 mg/m3 Trizinc bis(or Chronic local	Chronic systemic rthophosphat systemic 0,83 mg/kg bw/d 2,5 mg/m3	Effects on work local e) Effects on work Acute local	0,4 0,04 1,56 0,156 11 10 0,076 orkers Acute systemic 0,0206 0,0061 117,8 56,5 0,1 35,6 orkers Acute systemic	mg/l mg/l mg/kg mg/l mg/kg soil Chronic local 310 mg/m3 mg/m3	Chronic systemic
VLEP redicted no-effect Normal value in fr Normal value in ri Normal value for i Normal value of S Normal value of S Route of exposure Inhalation redicted no-effect Normal value in fr	ITA concentra esh water narine wate resh water marine wate vater, intern TP microor he terrestri effect leve Effect e Acuta local concentra esh water marine wate resh water marine wate resh water marine wate resh water marine wate ire flect leve Effect e Acuta local	tion - PNEC r sediment rganisms al compartm el - DNEL / I cts on consule Acu syst tion - PNEC r sediment er sediment rganisms al compartm el - DNEL / I cts on consul e Acu syst	se eent DMEL mers te emic emic	Chronic local 55 mg/m3 Trizinc bis(or Chronic local	Chronic systemic rthophosphat chronic systemic 0,83 mg/kg bw/d 2,5 mg/m3 83	Effects on work Acute local e) Effects on work Acute local	0,4 0,04 1,56 0,156 11 10 0,076 orkers Acute systemic 0,0206 0,0061 117,8 56,5 0,1 35,6 orkers Acute systemic	mg/l mg/l mg/kg mg/l mg/kg soil Chronic local 310 mg/m3 mg/m3	Chronic systemic Chronic systemic
VLEP redicted no-effect Normal value in fr Normal value for i Normal value for i Normal value of S Normal value of S Normal value of exposure Inhalation redicted no-effect Normal value in fr Normal value in fr Normal value in fr Normal value of S Normal value for i S Normal value of S Normal value for i S Normal value for i S Normal value for i Normal v	ITA concentra esh water narine wate resh water marine water water, intern TP microor he terrestri- effect leve e Acut local concentra esh water narine water marine water resh water marine water	tion - PNEC r sediment er sediment mittent relea ganisms al compartme - DNEL / E son consul e Acu syst tion - PNEC r sediment er sediment r ganisms al compartme - DNEL / E son consul e Acu syst	se eent DMEL mers te emic	Chronic local 55 mg/m3 Trizinc bis(or Chronic local	Chronic systemic Chronic systemic 0,83 mg/kg bw/d 2,5 mg/m3 83 mg/kg bw/d	Effects on work Acute local e) Effects on work Acute local	0,4 0,04 1,56 0,156 11 10 0,076 0,076 0,076 0,076 0,076 0,076 0,076 0,076 0,076 0,076 0,076 0,076 0,076 0,0206 0,0061 117,8 56,5 0,1 35,6 0,1 35,6 0 rkers Acute systemic	mg/l mg/l mg/kg mg/l mg/kg soil Chronic local 310 mg/m3 mg/m3	Chronic systemic Chronic systemic



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SECTION 8.	Exposure	controls/	personal	protection	/ >>
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				1-methox	ypropan-2-ol				
Threshold Limit Val	lue								
Туре	Country	TWA/8h		STEL/15	nin	Remarks / Obs	servations		
		mg/m3	ppm	mg/m3	ppm				
VLEP	ITA	375	100	568	150	SKIN			
OEL	EU	375	100	568	150	SKIN			
Predicted no-effect	concentrat	ion - PNEC							
Normal value in fr	resh water						10	mg/l	
Normal value in n	narine water						1	mg/l	
Normal value for	fresh water s	sediment					52,3	mg/kg	
Normal value for	marine wate	r sediment					5,2	mg/kg	
Normal value for v	water, interm	nittent relea	se				100	mg/l	
Normal value of S	STP microorg	ganisms					100	mg/l	
Normal value for	the terrestria	I compartm	ent				4,59	mg/kg soil	
Health - Derived no	-effect level	- DNEL / D	MEL						
	Effect	s on consur	ners			Effects on worke	ers		
Route of exposure	e Acute	Acut	te	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	syst	emic	local	systemic	local	systemic	local	systemic
									•
Oral					33				
Oral					33 mg/kg bw/d				
Oral					33 mg/kg bw/d 43,9	553,5	553,5		369
Oral Inhalation					33 mg/kg bw/d 43,9 mg/m3	553,5 mg/m3	553,5 mg/m3		369 mg/m3
Oral Inhalation Skin					33 mg/kg bw/d 43,9 mg/m3 78	553,5 mg/m3	553,5 mg/m3		369 mg/m3 183
Oral Inhalation Skin					33 mg/kg bw/d 43,9 mg/m3 78 mg/kg bw/d	553,5 mg/m3	553,5 mg/m3		369 mg/m3 183 mg/kg
Oral Inhalation Skin					33 mg/kg bw/d 43,9 mg/m3 78 mg/kg bw/d	553,5 mg/m3	553,5 mg/m3		369 mg/m3 183 mg/kg bw/d
Oral Inhalation Skin					33 mg/kg bw/d 43,9 mg/m3 78 mg/kg bw/d	553,5 mg/m3	553,5 mg/m3		369 mg/m3 183 mg/kg bw/d
Oral Inhalation Skin					33 mg/kg bw/d 43,9 mg/m3 78 mg/kg bw/d	553,5 mg/m3	553,5 mg/m3		369 mg/m3 183 mg/kg bw/d
Oral Inhalation Skin			2	-methoxy-1-m	33 mg/kg bw/d 43,9 mg/m3 78 mg/kg bw/d ethylethyl ace	553,5 mg/m3 tate	553,5 mg/m3		369 mg/m3 183 mg/kg bw/d
Oral Inhalation Skin Threshold Limit Val	lue		2	-methoxy-1-m	33 mg/kg bw/d 43,9 mg/m3 78 mg/kg bw/d ethylethyl ace	553,5 mg/m3 tate	553,5 mg/m3		369 mg/m3 183 mg/kg bw/d
Oral Inhalation Skin Threshold Limit Val Type	lue Country	TWA/8h	2	-methoxy-1-m STEL/15r	33 mg/kg bw/d 43,9 mg/m3 78 mg/kg bw/d ethylethyl ace	553,5 mg/m3 tate Remarks / Obs	553,5 mg/m3 servations		369 mg/m3 183 mg/kg bw/d
Oral Inhalation Skin Threshold Limit Val Type	lue Country	TWA/8h mg/m3	2 ppm	-methoxy-1-m STEL/15r mg/m3	33 mg/kg bw/d 43,9 mg/m3 78 mg/kg bw/d ethylethyl ace	553,5 mg/m3 tate Remarks / Obs	553,5 mg/m3 servations		369 mg/m3 183 mg/kg bw/d
Oral Inhalation Skin Threshold Limit Val Type VLEP	lue Country ITA	TWA/8h mg/m3 275	2 ppm 50	-methoxy-1-m STEL/15r mg/m3 550	33 mg/kg bw/d 43,9 mg/m3 78 mg/kg bw/d ethylethyl ace nin ppm 100	553,5 mg/m3 tate Remarks / Obs SKIN	553,5 mg/m3 servations		369 mg/m3 183 mg/kg bw/d

OEL	EU	275	50	550	100	SKIN			
Predicted no-effe	ect concentrati	on - PNE	C						
Normal value in	n fresh water						0,635	mg/l	
Normal value in	n marine water						0,0635	mg/l	
Normal value f	for fresh water s	ediment					3,29	mg/kg	
Normal value f	for marine water	sediment					0,329	mg/kg	
Normal value f	for water, interm	ittent relea	ase				6,35	mg/l	
Normal value of	of STP microorg	anisms					100	mg/l	
Normal value f	for the terrestria	l compartr	nent				0,29	mg/kg soil	
Health - Derived	no-effect level	- DNEL /	DMEL						
	Effects		imore			Effocts on worko	re		
	LIEUG	S OH COHSU				LITECIS OIL WOLKE	13		
Route of expos	sure Acute	Acı	ute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
Route of expos	sure Acute local	Acı Sys	ute	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Route of expos	sure Acute local	Acı Sys	ute stemic	Chronic local	Chronic systemic 36	Acute local	Acute systemic	Chronic local	Chronic systemic
Route of expos	sure Acute local	Acı Sys	ute stemic	Chronic local	Chronic systemic 36 mg/kg bw/d	Acute local	Acute systemic	Chronic local	Chronic systemic
Route of expose Oral	sure Acute local	Acı sys	ute itemic	Chronic local 33	Chronic systemic 36 mg/kg bw/d 33	Acute local 550	Acute systemic	Chronic local	Chronic systemic 275
Route of expose Oral Inhalation	sure Acute local	Acı	ute temic	Chronic local 33 mg/m3	Chronic systemic 36 mg/kg bw/d 33 mg/m3	Acute local 550 mg/m3	Acute systemic	Chronic local	Chronic systemic 275 mg/m3
Route of expos Oral Inhalation Skin	sure Acute local	Aci	ute itemic	Chronic local 33 mg/m3	Chronic systemic 36 mg/kg bw/d 33 mg/m3 320	Acute local 550 mg/m3	Acute systemic	Chronic local	Chronic systemic 275 mg/m3 796
Route of exposition Oral Inhalation Skin	sure Acute local	Act	itemic	Chronic local 33 mg/m3	Chronic systemic 36 mg/kg bw/d 33 mg/m3 320 mg/kg bw/d	Acute local 550 mg/m3	Acute systemic	Chronic local	Chronic systemic 275 mg/m3 796 mg/kg
Route of exposition Oral Inhalation Skin	sure Acute local	Aci	itemic	Chronic local 33 mg/m3	Chronic systemic 36 mg/kg bw/d 33 mg/m3 320 mg/kg bw/d	Acute local 550 mg/m3	Acute systemic	Chronic local	Chronic systemic 275 mg/m3 796 mg/kg bw/d



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				Hydrocarbon	is, C9, aromati	ics			
Threshold Limit	Value								
Туре	Country	TWA/8h		STEL/15	min	Remarks	/ Observations		
		mg/m3	ppm	mg/m3	ppm				
VLEP	ITA	100	20						
Health - Derived	no-effect le	evel - DNEL /	DMEL						
	Ef	fects on consu	imers			Effects on v	vorkers		
Route of expo	sure Ac	cute Acı	ute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	loc	cal sys	temic	local	systemic	local	systemic	local	systemic
Oral					11				
					mg/kg bw/d				
Inhalation					32				150
					mg/m3				mg/m3
Skin					11				25
					mg/kg bw/d				mg/kg
									bw/d

Threshold Limit Value Type Country TWA/kh STEL/15min Remarks / Observations VLEP ITA 221 50 442 100 SKIN OEL EU 221 50 442 100 SKIN Predicted no-effect concentration - PNEC 0.25 mg/l					Xylene, ı	mixture of iso	mers			
TypeCountryTWA/8hSTEL/15minRemarks / Observationsmg/m3ppmmg/m3ppmVLEPITA22150442100SKINOELEU22150442100SKINPredicted no-effect concentration - PNECNormal value in fresh water0,25mg/lNormal value in fresh water0,25mg/lNormal value in fresh water0,25mg/lNormal value for fresh water sediment12,46mg/kgNormal value for marine water sediment12,46mg/kgNormal value for water, intermittent release0,327mg/lNormal value of STP microorganisms6,58mg/lNormal value for the terrestrial compartment2,31mg/kg soilHealth - Derived no-effect level - DNEL / DMELEffects on consumersEffects on workersRoute of exposureAcuteChronicChronicAcuteAcuteAcuteChronicAcuteAcuteChronicOral12,5mg/kg bw/d12,5mg/kg bw/dInhalation26026065,365,3442442221221Skin125mg/m3mg/m3mg/m3mg/m3mg/m3mg/m3	Threshold Li	mit Value								
mg/m3 ppm mg/m3 ppm VLEP ITA 221 50 442 100 SKIN OEL EU 221 50 442 100 SKIN Predicted no-effect concentration - PNEC 0.25 mg/l	Туре	Country	y TWA	8h	STEL	/15min	Remarks	/ Observations		
VLEP ITA 221 50 442 100 SKIN OEL EU 221 50 442 100 SKIN Predicted no-effect concentration - PNEC 0,25 mg/l mg/l Normal value in fresh water 0,25 mg/l mg/l Normal value in marine water 0,25 mg/l mg/l Normal value for fresh water sediment 12,46 mg/kg mg/kg Normal value for marine water sediment 12,46 mg/kg mg/kg Normal value for water, intermittent release 0,327 mg/l mg/kg Normal value of STP microorganisms 6,58 mg/l mg/kg soil Normal value for the terrestrial compartment 2,31 mg/kg soil mg/kg soil Health - Derived no-effect level - DNEL / DMEL Effects on consumers Effects on workers Chronic Chronic Acute Chronic Chronic Segmenic local systemic local systemic Inhalation 260 260 65,3 65,3 65,3 442			mg/m	3 ppm	mg/m	3 ppm				
OEL EU 221 50 442 100 SKIN Predicted no-effect concentration - PNEC 0,25 mg/l	VLEP	ITA	221	50	442	100	SKIN			
Predicted no-effect concentration - PNEC Normal value in fresh water 0,25 mg/l Normal value in marine water 0,25 mg/l Normal value for fresh water sediment 12,46 mg/kg Normal value for marine water sediment 12,46 mg/kg Normal value for water, intermittent release 0,327 mg/l Normal value for the terrestrial compartment 2,31 mg/kg soil Health - Derived no-effect level - DNEL / DMEL Effects on consumers Effects on workers Effects on workers Route of exposure Acute Chronic Chronic Acute Chronic Chronic Oral Iocal systemic Iocal systemic Iocal systemic Iocal systemic Inhalation 260 260 65,3 65,3 442 442 221 221 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3	OEL	EU	221	50	442	100	SKIN			
Normal value in fresh water 0,25 mg/l Normal value in marine water 0,25 mg/l Normal value for fresh water sediment 12,46 mg/kg Normal value for marine water sediment 12,46 mg/kg Normal value for water, intermittent release 0,327 mg/l Normal value of STP microorganisms 6,58 mg/l Normal value for the terrestrial compartment 2,31 mg/kg soil Health - Derived no-effect level - DNEL / DMEL Effects on consumers Effects on workers Route of exposure Acute Chronic Acute Acute Chronic Oral local systemic local systemic local systemic Inhalation 260 260 65,3 65,3 442 442 221 221 Skin 125 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3	Predicted no	-effect conce	ntration - F	NEC						
Normal value in marine water 0,25 mg/l Normal value for fresh water sediment 12,46 mg/kg Normal value for marine water sediment 12,46 mg/kg Normal value for marine water sediment 12,46 mg/kg Normal value for water, intermittent release 0,327 mg/l Normal value of STP microorganisms 6,58 mg/l Normal value for the terrestrial compartment 2,31 mg/kg soil Health - Derived no-effect level - DNEL / DMEL Effects on consumers Effects on workers Route of exposure Acute Chronic Chronic Acute Chronic Oral local systemic local systemic local systemic Inhalation 260 260 65,3 65,3 442 442 221 221 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 Skin 125 212 212 212 212	Normal val	ue in fresh wa	ter					0,25	mg/l	
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Normal value for marine water sediment 12,46 mg/kg Normal value for water, intermittent release 0,327 mg/l Normal value of STP microorganisms 6,58 mg/l Normal value for the terrestrial compartment 2,31 mg/kg soil Health - Derived no-effect level - DNEL / DMEL Effects on consumers Effects on workers Route of exposure Acute Chronic Chronic Inhalation 260 260 65,3 65,3 442 Mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 Skin 12,46 mg/kg 12,5 221 221 221 mg/kg bw/d 125 212 212 212 212	Normal val	ue for fresh w	ater sedime	ent				12,46	mg/kg	
Normal value for water, intermittent release 0,327 mg/l Normal value of STP microorganisms 6,58 mg/l Normal value for the terrestrial compartment 2,31 mg/kg soil Health - Derived no-effect level - DNEL / DMEL Effects on consumers Effects on workers Route of exposure Acute Chronic Chronic Iocal systemic local systemic local systemic Oral 12,5 mg/kg bw/d 12,5 mg/kg bw/d support support Inhalation 260 260 65,3 65,3 442 442 221 221 Skin 125 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3	Normal val	ue for marine	water sedir	nent				12,46	mg/kg	
Normal value of STP microorganisms 6,58 mg/l Normal value for the terrestrial compartment 2,31 mg/kg soil Health - Derived no-effect level - DNEL / DMEL Effects on consumers Effects on workers Route of exposure Acute Acute Chronic Acute Acute Chronic Iocal systemic local systemic local systemic local systemic Oral 12,5 mg/kg bw/d 12,5 mg/kg bw/d support 221 221 Inhalation 260 260 65,3 65,3 442 442 221 221 Skin 125 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3	Normal val	ue for water, i	ntermittent	release				0,327	mg/l	
Normal value for the terrestrial compartment 2,31 mg/kg soil Health - Derived no-effect level - DNEL / DMEL Effects on consumers Effects on workers Effects on workers Route of exposure Acute Acute Chronic Acute Acute Chronic Chronic Iocal systemic local systemic local systemic local systemic Oral	Normal val	ue of STP mic	roorganism	IS				6,58	mg/l	
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Effects on consumersEffects on workersRoute of exposureAcuteAcuteChronicChronicAcuteAcuteChronicChroniclocalsystemiclocalsystemiclocalsystemiclocalsystemiclocalsystemicOral12,5 mg/kg bw/d12,5 mg/m3mg/m3mg/m365,3442442221221Inhalation260 mg/m3260 mg/m365,365,3442442221221Skin125 mg/kg bw/d125 mg/kg bw/d125 mg/kg bw/d125 mg/kg bw/d212 mg/kg bw/d212 mg/kg bw/d	Health - Deriv	ved no-effect	level - DNE	EL / DMEL						
Route of exposureAcuteAcuteChronicChronicAcuteAcuteChronicChroniclocalsystemiclocalsystemiclocalsystemiclocalsystemiclocalsystemicOral12,5 mg/kg bw/d12,5 mg/kg bw/dmg/m3mg/m365,3442442221221Inhalation260 mg/m365,365,3mg/m3mg/m3mg/m3mg/m3mg/m3Skin125125125125125125		E	Effects on c	onsumers			Effects on v	vorkers		
IocalsystemicIocalsystemicIocalsystemicIocalsystemicIocalsystemicOral12,5 mg/kg bw/d12,5 mg/kg bw/d12,5 mg/kg bw/d221221221Inhalation260 mg/m365,365,3442442221221Skin125125125125124	Route of ea	xposure A	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
Oral 12,5 mg/kg bw/d Inhalation 260 260 65,3 65,3 442 442 221 221 mg/m3 mg/m3 </td <td></td> <td>ļ</td> <td>ocal</td> <td>systemic</td> <td>local</td> <td>systemic</td> <td>local</td> <td>systemic</td> <td>local</td> <td>systemic</td>		ļ	ocal	systemic	local	systemic	local	systemic	local	systemic
mg/kg bw/d Inhalation 260 260 65,3 65,3 442 242 221 221 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 mg/m3 Skin 125 212 212 212	Oral					12,5				
Inhalation 260 260 65,3 65,3 442 442 221 221 mg/m3						mg/kg bv	v/d			
mg/m3 mg/m3 <th< td=""><td>Inhalation</td><td>2</td><td>260</td><td>260</td><td>65,3</td><td>65,3</td><td>442</td><td>442</td><td>221</td><td>221</td></th<>	Inhalation	2	260	260	65,3	65,3	442	442	221	221
Skin 125 212 mg/kg.bw/d mg/kg		r	ng/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
ma/ka bw/d ma/ka	Skin					125				212
nig/kg bw/d nig/kg						mg/kg bv	v/d			mg/kg
bw/d										bw/d

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction. VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low

hazard ; MED = medium hazard ; HIGH = high hazard.

8.2. Exposure controls

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

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

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

Provide an emergency shower with face and eye wash station.

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

HAND PROTECTION

Protect hands with category III work gloves.

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

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

SKIN PROTECTION

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

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



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SECTION 8. Exposure controls/personal protection/>>

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529. ENVIRONMENTAL EXPOSURE CONTROLS

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

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

OTHER: We recommend the use of protective gloves that guarantee total resistance in accordance with EN 374 and, in particular, they are resistant to the permeation of chemicals tested according to EN 374-3. Nitrile or PVA gloves for short-term contact (splash protection): 0.4 mm thickness with at least protection index and 2 corresponding to> 30 minutes of permeation according to EN 374. Nitrile or PVA gloves for one Prolonged contact: thickness 0.7 mm with the lowest protection rating 4 corresponding to> 120 minutes of permeation if it complies with EN 374. Due to the many types of gloves available on the market, it is advisable to observe the manufacturer's operating instructions. The information provided here is based on bibliographic data, information on the actions of the manufacturers, or by analogy with similar substances. In the presence of wear and tear, the gloves must be replaced.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	liguid	
Colour	slightly white	
Odour	typical of solvent	
Melting point / freezing point	not applicable	Remark: It is not technically possible
Initial boiling point	not available	
Flammability	flammable liquid	
Lower explosive limit	1.2 % (v/v)	Temperature: 15 °C
Upper explosive limit	7.8 % (v/v)	Temperature: 15 °C
Flash point	$23 \le T \le 60$ °C	
Auto-ignition temperature	not available	
Decomposition temperature	not applicable	
pH	not determined	Remark the mixture is not soluble in water
Kinematic viscosity	>20.5 mm2/sec (40°C)	
Solubility	insoluble in water	
Partition coefficient: n-octanol/water	not available	
Vanour pressure	2.39 hPa	Remark:(calculated)
	2,00 11 4	Temperature: 20 °C
Density and/or relative density	1 60	Remark:kg/l
Density and/or relative density	1,00	
Relative vanour density	not available	
Particle characteristics	not applicable	
9.2. Other information		
9.2.1. Information with regard to physical haz	zard classes	

Information not available

9.2.2. Other safety characteristics

Molecular weight g/mol Total solids 250°C VOC (Directive 2010/75/EU) VOC (volatile carbon) Explosive properties Oxidising properties not applicable 76,35 % 23,65 % - 378,96 18,67 % - 299,14 not applicable not applicable

g/litre g/litre



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SECTION 10. Stability and reactivity

10.1. Reactivity

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

Formaldehyde

Acqueous solutions are stabilised with methanol but tend to polymerise over time. Storage temperature varies according to concentration. Solutions >25% are also corrosive. Decomposes under the effect of heat.

1-methoxypropan-2-ol

Absorbs and disolves in water and in organic solvents, dissolves various plastic materials; it is stable but with air it may slowly form explosive peroxides.

2-methoxy-1-methylethyl acetate

Stable but 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.

n-butyl acetate

Vapors can form explosive mixtures with the air.

Ethylbenzene

Reacts violently with strong oxidising agents and attacks various types of plastics. Can form explosive mixtures with the air.

Formaldehyde

Risk of explosion on contact with: nitromethane, nitrogen dioxide (at 180°C), hydrogen peroxide, phenol, performic acid, nitric acid. It may also polymerise con contact with: strong oxidising agents, alkalis. Can react dangerously with: hydrolchloric acid, magnesium carbonate, sodium hydroxide, perchloric acid and aniline. Forms explosive mixtures with the air.

iso-butanol

Reacts violently with organic acids. Explosive reaction with halogen, phosphorus trichloride

1-methoxypropan-2-ol

Can react dangerously with strong oxidising agents and strong acids.

2-methoxy-1-methylethyl acetate

May react violently with oxidising agents and strong acids and alkaline metals.

10.4. Conditions to avoid

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

n-butyl acetate

Heat, sparks and free flames. Avoid accumulation of electrostatic charges.

Ethylbenzene Heating.

Formaldehyde

Avoid exposure to light, sources of heat and naked flames.

iso-butanol

Avoid T ° C> 30. Keep the product away from open flames

1-methoxypropan-2-ol Avoid exposure to the air.

2-methoxy-1-methylethyl acetate

Store in an inert atmosphere, sheletered from moisture because it hydrolises easily.

Hydrocarbons, C9, aromatics



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SECTION 10. Stability and reactivity/>>

Keep away from open flames, sparks and other sources of ignition.

Xylene, mixture of isomers

Keep away from heat sources, do not smoke. Keep the product away from naked flames.

10.5. Incompatible materials

n-butyl acetate

Water, nitrates, strong oxidising agents, acids and alkalis and potassium tert-butoxide.

Formaldehyde

Acids, akalis, ammonia, tannin, strong oxidising agents, phenols and copper, silver and iron salts.

iso-butanol

Nitric acid, oxidizing agents, sulfuric acid

1-methoxypropan-2-ol Oxidising agents, strong acids and alkaline metals.

2-methoxy-1-methylethyl acetate Oxidising agents, strong acids and alkaline metals.

Hydrocarbons, C9, aromatics Oxidizing agents

Xylene, mixture of isomers Keep away from acidic and oxidizing materials.

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.

n-butyl acetate

Thermal decomposition or fire may release gases and vapors that are potentially harmful to health.

Ethylbenzene Methane, styrene, hydrogen, ethane.

Formaldehyde CO, CO2.

iso-butanol CO, CO2

2-methoxy-1-methylethyl acetate COx

Hydrocarbons, C9, aromatics COx

Xylene, mixture of isomers COx. aromatic hydrocarbons

SECTION 11. Toxicological information

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

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

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

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Delayed and immediate effe	ects as well as chronic effects fron	n short and long-term exposure		
Information not available				
Interactive effects				
Information not available				
ACUTE TOXICITY				
ATE (Inhalation - vapours) of ATE (Oral) of the mixture: ATE (Dermal) of the mixture	of the mixture:	> 20 mg/l Not classified (no significant component) >2000 mg/kg		
n-butyl acetate LD50 (Dermal): LD50 (Oral): LC50 (Inhalation mi Ethylbenzene	sts/powders):	 > 14000 mg/kg Rabbit (fonte ECHA) > 10000 mg/kg Ratto (fonte ECHA) 0,74 mg/l/4h Ratto (fonte ECHA) 		
LD50 (Dermal): LD50 (Oral): LC50 (Inhalation va STA (Inhalation vap	pours): ours):	 > 15000 mg/kg Rabbit (fonte ECHA) 3500 mg/kg Ratto (fonte ECHA) 6,2 mg/l/4h Ratto (fonte ECHA) 11 mg/l estimate from table 3.1.2 of Annex I of (figure used for calculation of the acute toxicit) 	of the CLP ty estimate of the mixture)	
Formaldehyde LD50 (Oral): LC50 (Inhalation va	pours):	640 mg/kg Ratto (fonte ECHA) > 463 ppm/4h Ratto (fonte ECHA)		
iso-butanol LD50 (Dermal): LD50 (Oral): LC50 (Inhalation va	pours):	 > 2000 mg/kg Rabbit (fonte ECHA) > 2800 mg/kg Ratto (fonte ECHA) > 18 mg/l/6h Ratto (fonte ECHA) 		
Trizinc bis(orthopho LD50 (Oral): LC50 (Inhalation mi	sphate) sts/powders):	 > 5000 mg/kg Ratto (fonte ECHA) > 5,7 mg/l/4h Ratto (fonte ECHA) 		
1-methoxypropan-2 LD50 (Dermal): LD50 (Oral): LC50 (Inhalation va	-ol pours):	 > 2000 mg/kg Ratto (fonte ECHA) > 4000 mg/kg Ratto (fonte ECHA) > 7000 ppm/6h Ratto (fonte ECHA) 		
2-methoxy-1-methy LD50 (Dermal): LD50 (Oral):	ethyl acetate	> 5000 mg/kg Rabbit (fonte ECHA) > 6000 mg/kg Ratto (fonte ECHA)		
Epoxy Resin Bisphe LD50 (Dermal): LD50 (Oral):	enol A and Epichloridrine (700 <m< td=""><td>W <1100) > 2000 mg/kg Ratto (fonte fornitore) > 2000 mg/kg Ratto (fonte fornitore)</td><td></td><td></td></m<>	W <1100) > 2000 mg/kg Ratto (fonte fornitore) > 2000 mg/kg Ratto (fonte fornitore)		
Hydrocarbons, C9, LD50 (Dermal): LD50 (Oral): LC50 (Inhalation va	aromatics pours):	 > 3160 mg/kg bw Rabbit (fonte ECHA) > 6900 mg/kg bw Ratto (fonte ECHA) > 6,19 mg/l/4h Ratto (fonte ECHA) 		
Xylene, mixture of is LD50 (Dermal): STA (Dermal): LD50 (Oral): LC50 (Inhalation vap STA (Inhalation vap	somers pours): ours):	12126 mg/kg Rabbit (fonte ECHA) 1100 mg/kg estimate from table 3.1.2 of Anne (figure used for calculation of the acute toxicit > 3000 mg/kg Ratto (fonte ECHA) 27,12 mg/l/4h Ratto (fonte ECHA) 11 mg/l estimate from table 3.1.2 of Annex I of (figure used for calculation of the acute toxicit	ex I of the CLP ty estimate of the mixture) of the CLP ty estimate of the mixture)	
SKIN CORROSION / IRRIT	ATION			



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SECTION 11. Toxicological information/>>

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

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

May cause respiratory irritation

STOT - REPEATED EXPOSURE

May cause damage to organs

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class Viscosity: >20,5 mm2/sec (40°C)

11.2. Information on other hazards

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

SECTION 12. Ecological information

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

12.1. Toxicity

n-butyl acetate LC50 - for Fish EC50 - for Crustacea EC50 - for Algae / Aquatic Plants Chronic NOEC for Crustacea Chronic NOEC for Algae / Aquatic Plants	 18 mg/l Pimephales promelas (mortality - fonte ECHA) 44 mg/l Daphnia sp.(mobility - fonte ECHA) 397 mg/l Pseudokirchneriella subcapitata (growth rate - fonte ECHA) 23,2 mg/l Daphnia magna (21d - reproduction - fonte ECHA) 196 mg/l Pseudokirchneriella subcapitata (72h - growth rate - fonte ECHA)
Ethylbenzene LC50 - for Fish EC50 - for Crustacea EC50 - for Algae / Aquatic Plants Chronic NOEC for Fish Chronic NOEC for Crustacea Chronic NOEC for Algae / Aquatic Plants	 5,1 mg/l Menidia menidia (mortality - fonte ECHA) 5,2 mg/l Americamysis bahia (mortality - fonte ECHA) 5,4 mg/l Pseudokirchneriella subcapitata (cell number - fonte ECHA) 3,3 mg/l/96h Menidia menidia (mortality - fonte ECHA) 0,96 mg/l/7d Ceriodaphnia dubiab (reproduction - fonte ECHA) 3,4 mg/l/96h Pseudokirchneriella subcapitata (cell number - fonte ECHA)
Formaldehyde LC50 - for Fish EC50 - for Crustacea EC50 - for Algae / Aquatic Plants EC10 for Crustacea Chronic NOEC for Crustacea	 6,7 mg/l Morone saxatilis (mortality - fonte ECHA) 5,8 mg/l Daphnia pulex (mobility - fonte ECHA) 4,89 mg/l Desmodesmus subspicatus (growth rate - fonte ECHA) 1,9 mg/l/48h Daphnia pulex (mobility - fonte ECHA) > 6,4 mg/l/21d Daphnia magna (reproduction - fonte ECHA)



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iso-butanol	
LC50 - for Fish	1430 mg/l Pimephales promelas (mortality - fonte ECHA)
EC50 - for Crustacea	1100 mg/l Daphnia pulex (mobility - fonte ECHA)
EC50 - for Aigae / Aquatic Plants	20 mg/l/21d Daphnia magna (reproduction - fonte ECHA)
Chronic NOEC for Algae / Aguatic Plants	53 mg/l/72h Pseudokirchneriella subcapitata (biomass - fonte ECHA)
Trizinc bis(orthophosphate)	
LC50 - for Fish	0,169 mg/l Oncorhynchus mykiss (mortality - fonte ECHA)
EC50 - for Crustacea	2,14 mg/l Daphnia magna (mobility - fonte ECHA)
Chronic NOEC for Fish	0,199 mg/l/30d Oncorhynchus mykiss (mortality - fonte ECHA)
Chronic NOEC for Algae / Aquatic Plants	1,071 mg/l/160 Macrocystis pyrifera (reproduction - fonte ECHA)
1-methoxypropan-2-ol	
LC50 - for Fish	> 4600 mg/l Leuciscus idus (mortality - fonte ECHA)
EC50 - for Crustacea	> 21000 mg/l Daphnia magna (mobility - fonte ECHA)
Chronic NOEC for Fish	> 4000 mg/l/96h Leuciscus idus (mortality - fonte ECHA)
2-methoxy/1-methylethyl acetate	
L C50 - for Fish	> 100 mg/l Oryzias latipes (behavioural abnormalities - fonte ECHA)
EC50 - for Crustacea	> 500 mg/l Daphnia magna (mobility - fonte ECHA)
EC50 - for Algae / Aquatic Plants	> 1000 mg/l Pseudokirchneriella subcapitata (growth rate - fonte ECHA)
Chronic NOEC for Fish	47,5 mg/l/14d Oryzias latipes (behaviour - fonte ECHA)
Chronic NOEC for Crustacea	> 100 mg/l/21d Daphnia magna (reproduction - fonte ECHA)
Chronic NOEC for Algae / Aquatic Plants	1000 mg/l/72h Pseudokirchneriella subcapitata (growth rate - fonte ECHA)
Hydroporthono, CO, promotion	
LC50 - for Fish	9.2 mg/l Oncorhynchus mykiss (mortality - fonte ECHA)
EC50 - for Crustacea	3.2 mg/l Daphnia magna (mobility - fonte ECHA)
EC50 - for Algae / Aguatic Plants	2.9 mg/l Pseudokirchneriella subcapitata (growth rate - fonte ECHA)
Chronic NOEC for Fish	1,288 mg/l/28d Oncorhynchus mykiss (growth rate - fonte ECHA)
Chronic NOEC for Crustacea	2,144 mg/l/21d Daphnia magna (reproduction - fonte ECHA)
Chronic NOEC for Algae / Aquatic Plants	1 mg/l/72h Pseudokirchnerella subcapitata (biomass and growth rate - fonte ECHA)
Xylene, mixture of isomers	
L C50 - for Fish	2.6 mg/l Oncorhynchus mykiss (mortality - fonte ECHA)
EC50 - for Crustacea	> 3.4 mg/l Ceriodaphnia dubia (mortality - fonte ECHA)
EC50 - for Algae / Aquatic Plants	4,9 mg/l Pseudokirchneriella subcapitata (growth rate - fonte ECHA)
EC10 for Algae / Aquatic Plants	1,9 mg/l/73h Pseudokirchneriella subcapitata (growth rate - fonte ECHA)
Chronic NOEC for Fish	> 1,3 mg/l/56d Oncorhynchus mykiss (mortality - fonte ECHA)
Chronic NOEC for Crustacea	1,17 mg/l/7d Ceriodaphnia dubia (reproduction - fonte ECHA)
12.2. Persistence and degradability	
n-dutyl acetate Solubility in water	5.3 g/l 20°C (fonte ECHA)
Rapidly degradable	5,5 gr 20 0 (lone E01A)
Ethylbenzene	
Solubility in water	200 mg/l 25°C (fonte ECHA)
Rapidly degradable	
Formaldehyde	
Solubility in water	550 g/l 20°C (fonte ECHA)
Rapidly degradable	o (),
iso-butanol	
Solubility in water	/U g/I 20°C (tonte ECHA)
Rapidly degradable	
Trizinc bis(orthophosphate)	
Solubility in water	2,7 mg/l 20°C (fonte ECHA)
Degradability: information not available	
4 methods meaning 0 st	
I-methoxypropan-2-ol	$> 1000 \text{ cl} 20^{\circ} \text{C} \text{ nH} = 7 \text{ (fonto ECHA)}$
Rapidly degradable	$\sim 1000 \text{ g/l} 20 \text{ G} \text{ pri} = r (10110 \text{ E} \text{ G} \text{ IA})$
. aprairy additional and a second a s	



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2-methoxy-1-methylethyl acetate Solubility in water	198 g/l 20°C (fonte ECHA)		
Rapidly degradable			
Epoxy Resin Bisphenol A and Epichloridrine (Solubility in water	700 <mw <1100)<br="">Insolubile mg/l</mw>		
Hydrocarbons, C9, aromatics Solubility in water Rapidly degradable	Insolubile mg/l		
Xylene, mixture of isomers Solubility in water Rapidly degradable	165,8 mg/l 20°C (fonte ECHA)		
12.3. Bioaccumulative potential			
n-butyl acetate Partition coefficient: n-octanol/water	2,3 25°C pH=7 (fonte ECHA)		
Ethylbenzene Partition coefficient: n-octanol/water	3,6 20°C pH=7,8 (fonte ECHA)		
Formaldehyde Partition coefficient: n-octanol/water	0,35 25°C (fonte ECHA)		
iso-butanol Partition coefficient: n-octanol/water	1 25°C pH=7 (fonte ECHA)		
1-methoxypropan-2-ol Partition coefficient: n-octanol/water	0,37 20°C (fonte ECHA)		
2-methoxy-1-methylethyl acetate Partition coefficient: n-octanol/water	1,2 20°C pH=6,8 (fonte ECHA)		
Xylene, mixture of isomers Partition coefficient: n-octanol/water	3,16 20°C (fonte ECHA)		
12.4. Mobility in soil			
n-butyl acetate Partition coefficient: soil/water	1,27 (fonte ECHA)		
Ethylbenzene Partition coefficient: soil/water	3,12 20°C (fonte ECHA)		
Formaldehyde Partition coefficient: soil/water	1,2 Calculated (fonte ECHA)		
iso-butanol Partition coefficient: soil/water	0,47 Calculated (fonte ECHA)		
Xylene, mixture of isomers Partition coefficient: soil/water	2,73 (fonte ECHA)		
12.5. Results of PBT and vPvB assessment			

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

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects

Information not available



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SECTION 13. Disposal considerations

Disposal should be in accordance with the requirements of Directive 91/156 / EEC on waste, Directive 91/689 / EEC on hazardous waste and Directive 94/62 / EC on packaging and packaging waste; or in accordance with the national laws transposing the directives mentioned above.

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.

It is advisable to have all the safety information of the material contained in the empty packaging sent to the disposer. DO NOT discharge into the sewage system, waterways, ponds, canals / ditches. DO NOT pressurize, DO NOT cut, DO NOT weld, DO NOT pierce, DO NOT crush, DO NOT expose empty containers to heat, flames, sparks, electrostatic discharge or other sources of ignition.

SECTION 14. Transport information

14.1. UN number or ID number

ADR / RID, IMDG, IATA: 1263

14.2. UN proper shipping name

ADR / RID:	PAINT or PAINT RELATED MATERIAL
IMDG:	PAINT or PAINT RELATED MATERIAL
IATA:	PAINT or PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

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



14.4. Packing group

ADR / RID, IMDG, IATA:

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SECTION 14. Transpo	ort information	ו / >>						
14.5. Environmental hazards								
ADR / RID:	Environmentally	Hazardous						
IMDG:	Marine Pollutant							
IATA:	Environmentally	Hazardous						
For Air transport, envir	onmentally haza	rdous mark is only mand	latory for UN 3077 and UN 3082.					
14.6. Special precaution	ns for user							
ADR / RID: IMDG: IATA:	HIN - Speci EMS: Cargo Passo Speci	Kemler: 30 ial provision: 163, 367, 6 F-E, <u>S-E</u> o: engers: ial provision:	Limited Quantities: 5 L 50 Limited Quantities: 5 L Maximum quantity: 220 L Maximum quantity: 60 L A3, A72, A192	Tun Pac Pac	nel restriction code: (D/E) kaging instructions: 366 kaging instructions: 355			
14.7 Maritime transport	in bulk accordi	ng to IMO instruments	,					
	iit.							
SECTION 15. Reg	julatory info	ormation						
15.1. Safety, health and	environmental	regulations/legislation	specific for the substance or mixture					
Seveso Category - Dir	ective 2012/18/F	U· P!	5c-F2					
Restrictions relating to	the product or co	ontained substances pur	suant to Annex X\/II to EC Regulation 1	907/2	2006			
Product	2 40			00171				
Contained substance	3 - 40 9							
Point	75	Butan-2-ol	19475146.36					
Point	75	2-methoxypropanol						
Point	75	REACH Reg.: sosta iso-butanol	nza pre-registrata					
Point	75	REACH Reg.: 01-21 2-methoxypropyl ac	19484609-23 etate					
Doint	75	REACH Reg.: sosta	nza pre-registrata					
Point	75	REACH Reg.: 01-21	19488216-32					
Point	72-75	Formaldehyde REACH Reg.: 01-21	19488953-20					
Regulation (EU) 2019/	'1148 - on the ma	arketing and use of explo	sives precursors					
not applicable								
Substances in Candida On the basis of availab	ate List (Art. 59 F ole data, the prod	REACH) luct does not contain any	/ SVHC in percentage ≥ than 0,1%.					
Substances subject to None	authorisation (Ar	nnex XIV REACH)						
Substances subject to	exportation repo	rting pursuant to Regula	tion (EU) 649/2012:					
None								
Substances subject to	Substances subject to the Rotterdam Convention:							
None								



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SECTION 15. Regulatory information ... / >>

Substances subject to the Stockholm Convention:

None

Healthcare controls

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

15.2. Chemical safety assessment

A chemical safety assessment has been performed for the following contained substances n-butyl acetate Ethylbenzene iso-butanol 1-methoxypropan-2-ol 2-methoxy-1-methylethyl acetate Hydrocarbons, C9, aromatics Xylene, mixture of isomers

SECTION 16. Other information

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

Flam, Lig, 2	Flammable liquid, category 2
Flam, Lig, 3	Flammable liquid, category 3
Carc. 1B	Carcinogenicity, category 1B
Muta. 2	Germ cell mutagenicity, category 2
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
Asp. Tox. 1	Aspiration hazard, category 1
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Skin Corr. 1B	Skin corrosion. category 1B
Eve Dam, 1	Serious eve damage, category 1
Eve Irrit. 2	Eve irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Skin Sens. 1	Skin sensitization, category 1
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aguatic environment, chronic toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H350	May cause cancer.
H341	Suspected of causing genetic defects.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.
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.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
Use descriptor system:	
AC 0	Other
AC 1	Vehicles



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SECTION 16. Other information ... / >>

ERC	5	Use at industrial site leading to inclusion into/onto article
ERC	8c	Widespread use leading to inclusion into/onto article (indoor)
LCS	IS	Use at industrial sites
LCS	PW	Widespread use by professional workers
PC	9a	Coatings and paints, thinners, paint removers
PROC	10	Roller application or brushing
PROC	19	Manual activities involving hand contact
PROC	7	Industrial spraying

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

- 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
- 4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2019/521 (XII Atp. CLP)
- 16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
- 17. Regulation (EU) 2019/1148
- 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
- 19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
- 20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
- 21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
- 22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology



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SECTION 16. Other information ... / >>

- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy

Note for users:

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

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

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

CALCULATION METHODS FOR CLASSIFICATION

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

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

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

Changes to previous review: The following sections were modified: 01 / 09 / 11 / 14 / 15 / 16.