

<div>MULTICHIMICA SPA</div> <div>1950.0005L.103 - Н.Ц. РАЗРЕДИТЕЛ - СТАНДАРТ</div>		<div>Revision nr.24</div> <div>Dated 13/03/2025</div> <div>Printed on 03/04/2025</div> <div>Page n. 1 / 26</div> <div>Replaced revision:23 (Dated 08/02/2024)</div> <div>EN</div>
<div>Safety Data Sheet</div> <div>According to Annex II to REACH - Regulation (EU) 2020/878</div>		
<div>SECTION 1. Identification of the substance/mixture and of the company/undertaking</div>		
<div>1.1. Product identifier</div> <div><div>Code:</div><div>Product name</div><div>UFI :</div></div> <div><div>1950.0005L.103</div><div>Н.Ц. РАЗРЕДИТЕЛ - СТАНДАРТ</div><div>RS00-G0WP-R00N-MNGR</div></div>		
<div>1.2. Relevant identified uses of the substance or mixture and uses advised against</div> <div><div>Intended use</div><div>Thinner - solvent.us professional and industrial.</div></div>		
<div>1.3. Details of the supplier of the safety data sheet</div> <div><div>Name</div><div>Full address</div><div>District and Country</div><div>e-mail address of the competent person responsible for the Safety Data Sheet</div></div> <div><div>MULTICHIMICA SPA</div><div>via G. Galilei, 39</div><div>35035 Mestrino</div><div>Italia</div><div>Tel. 049 9048611</div><div>Fax 049 9001695</div><div>lab@multichimica.it</div><div>(PD)</div></div>		
<div>1.4. Emergency telephone number</div> <div><div>For urgent inquiries refer to</div><div>Marco Marano CAVp Osp. Pediatrico Bambino Gesù Roma Piazza Sant'Onofrio, 4 00165 Tel..06 68593726</div><div>Anna Lepore Az. Osp. Univ. Foggia Foggia V.le Luigi Pinto, 1 71122 Tel.800183459</div><div>Gennaro Savoia Az. Osp. A. Cardarelli Napoli Via A. Cardarelli, 9 80131 Tel. 081 5453333</div><div>M. Caterina Grassi Cav.Policlinico Umberto I Roma V.le del Policlinico, 155 161 Tel.06 49978000</div><div>Alessandro Barelli CAV Policlinico A. Gemelli Roma Largo Agostino Gemelli, 8 168 Tel.06 3054343</div><div>Primo Botti Az. Osp. Careggi U.O. Tossicologia Medica Firenze Largo Brambilla, 3 50134 Tel. 055 7947819</div><div>Carlo Locatelli CAV Centro nazionale di Informazione Tossicologia Pavia Via Salvatore Maugeri ,10 27100 Tel.0382 24444</div><div>Franca Davanzo Osp. Niguarda Cà Granda Milano Piazza Ospedale Maggiore, 3 20162 Tel.02 66101029</div><div>M. Luisa Farina Azienda Osp. Papa Giovanni XXII Bergamo Piazza OMS, 1 24127 Tel. 800883300</div><div>Azienda Ospedaliera Integrata di Verona, Piazzale Aristide Stefani,1 37126 800011858</div></div>		

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SECTION 2. Hazards identification ... / >>

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	H336	May cause drowsiness or dizziness.
Specific target organ toxicity - single exposure, category 2	H371	May cause damage to organs.
Hazardous to the aquatic environment, chronic toxicity, category 3	H412	Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms:



Signal words: Danger

Hazard statements:

H225	Highly flammable liquid and vapour.
H361d	Suspected of damaging the unborn child.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H373	May cause damage to organs through prolonged or repeated exposure.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H371	May cause damage to organs.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements:

P501	Dispose of contents / container in accordance with local/regional/national
P102	Keep out of reach of children.
P101	If medical advice is needed, have product container or label at hand.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P331	Do NOT induce vomiting.
P280	Wear protective gloves/ protective clothing / eye protection / face protection.

Contains: Toulene
METHYL ACETATE
METHANOL
2-Metilpentano

VOC (Directive 2004/42/EC) :

Preparatory and cleaning - Preparatory .

VOC given in g/litre of product in a ready-to-use condition : 849,00

Limit value: 850,00

2.3. Other hazards

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

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

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SECTION 3. Composition/information on ingredients

2-Metilpentano

Exemption from the obligation to register in accordance with article 2, paragraph 7, letter d of the EC regulation 1907/2006

Mixing of Esano isomers (like 2.3dimetilbutano)

Exemption from the obligation to register in accordance with article 2, paragraph 7, letter d of the EC regulation 1907/2006

3.1. Substances

2-Metilpentano

Exemption from the obligation to register in accordance with article 2, paragraph 7, letter d of the EC regulation 1907/2006

Mixing of Esano isomers (like 2.3dimetilbutano)

Exemption from the obligation to register in accordance with article 2, paragraph 7, letter d of the EC regulation 1907/2006

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
METHYL ACETATE		
INDEX 607-021-00-X	28,5 ≤ x < 30	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066
EC 201-185-2		
CAS 79-20-9		
REACH Reg. 01-2119459211-47		
Toulene		
INDEX 601-021-00-3	25,5 ≤ x < 27	Flam. Liq. 2 H225, Repr. 2 H361d, Asp. Tox. 1 H304, STOT RE 2 H373, Skin Irrit. 2 H315, STOT SE 3 H336
EC 203-625-9		
CAS 108-88-3		
REACH Reg. 01-2119471310-51		
METHANOL		
INDEX 603-001-00-X	8 ≤ x < 9	Flam. Liq. 2 H225, Acute Tox. 3 H301, Acute Tox. 3 H311, Acute Tox. 3 H331, STOT SE 1 H370 STOT SE 2 H371: ≥ 3% - < 10% ATE Oral: 100 mg/kg, ATE Dermal: 300 mg/kg, ATE Inhalation vapours: 3 mg/l
EC 200-659-6		
CAS 67-56-1		
REACH Reg. 01-2119433307-44		
2-Metilpentano		
INDEX 601-007-00-7	7 ≤ x < 8	Flam. Liq. 2 H225, Asp. Tox. 1 H304, Skin Irrit. 2 H315, STOT SE 3 H336, Aquatic Chronic 2 H411
EC 203-523-4		
CAS 107-83-5		
ACETONE		
INDEX 606-001-00-8	6 ≤ x < 7	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066
EC 200-662-2		
CAS 67-64-1		
REACH Reg. 01-2119471330-49		
N-BUTYL ACETATE		
INDEX 607-025-00-1	4,5 ≤ x < 5	Flam. Liq. 3 H226, STOT SE 3 H336, EUH066
EC 204-658-1		
CAS 123-86-4		
REACH Reg. 01-2119485493-29		
HIDROCARBONS, C9, AROMATICS		
INDEX	3 ≤ x < 3,5	Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H335, STOT SE 3 H336, Aquatic Chronic 2 H411, EUH066, Classification note according to Annex VI to the CLP Regulation: P
EC 918-668-5		
CAS		
REACH Reg. 01-2119455851-35		
ETHYL ACETATE		
INDEX 607-022-00-5	2,5 ≤ x < 3	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066
EC 205-500-4		
CAS 141-78-6		
REACH Reg. 01-2119475103-46		

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Mixing of Esano isomers (like 2.3dimetilbutano)				
INDEX	601-007-00-7	2 ≤ x < 2,5	Flam. Liq. 2 H225, Asp. Tox. 1 H304, Skin Irrit. 2 H315, STOT SE 3 H336, Aquatic Chronic 2 H411	
EC	201-193-6			
CAS	79-29-8			
ISO-BUTANOL				
INDEX	603-108-00-1	1 ≤ x < 1,5	Flam. Liq. 3 H226, Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335, STOT SE 3 H336	
EC	201-148-0			
CAS	78-83-1			
REACH Reg.	01-2119484609-23			
PROPAN-2-OL				
INDEX	603-117-00-0	1 ≤ x < 1,5	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336	
EC	200-661-7			
CAS	67-63-0			
REACH Reg.	01-2119457558-25			
INERT				
INDEX		1 ≤ x < 1,5		
EC				
CAS				
XYLENE (Reactive mixture of ethylbenzene, m-xylene and p-xylene).				
INDEX		0,9 ≤ x < 1	Flam. Liq. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Classification note according to Annex VI to the CLP Regulation: C ATE Dermal: 1100 mg/kg, ATE Inhalation vapours: 11 mg/l	
EC	905-562-9			
CAS				
REACH Reg.	01-2119555267-33			
Methylformiato				
INDEX	607-014-00-1	0,89 ≤ x < 1	Flam. Liq. 1 H224, Acute Tox. 3 H301, Acute Tox. 3 H311, Acute Tox. 3 H331, STOT SE 1 H370, Eye Irrit. 2 H319, STOT SE 3 H335 ATE Oral: 100 mg/kg, ATE Dermal: 300 mg/kg, ATE Inhalation mists/powders: 0,501 mg/l, ATE Inhalation vapours: 3 mg/l	
EC	203-481-7			
CAS	107-31-3			
REACH Reg.	01-2119487303-38			
Methyl carbonate				
INDEX	607-013-00-6	0,708 ≤ x < 0,808	Flam. Liq. 2 H225	
EC	210-478-4			
CAS	616-38-6			
REACH Reg.	01-2119548399-23			
ETHYL METHYL KETONE				
INDEX	606-002-00-3	0,6 ≤ x < 0,7	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066	
EC	201-159-0			
CAS	78-93-3			
REACH Reg.	01-2119457290-43			
ETHYL ALCOHOL				
INDEX		0,5 ≤ x < 0,6	Flam. Liq. 2 H225, Eye Irrit. 2 H319	
EC	200-578-6			
CAS	64-17-5			
REACH Reg.	01-2119457610-43			
N-HEXANE				
INDEX		0,35 ≤ x < 0,4	Flam. Liq. 2 H225, Repr. 2 H361f, Asp. Tox. 1 H304, STOT RE 2 H373, Skin Irrit. 2 H315, STOT SE 3 H336, Aquatic Chronic 2 H411 STOT RE 2 H373: ≥ 5%	
EC	925-292-5			
CAS				
REACH Reg.	01-2119474209-33			
HEPTANE				
INDEX	601-008-00-2	0,31 ≤ x < 0,36	Flam. Liq. 2 H225, Asp. Tox. 1 H304, Skin Irrit. 2 H315, STOT SE 3 H336, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1, Classification note according to Annex VI to the CLP Regulation: C	
EC	205-563-8			
CAS	142-82-5			
REACH Reg.	01-2119457603-38			

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SECTION 3. Composition/information on ingredients ... / >>		
<div>1-Metil-2-Metoxithile acetate</div> <div><div>INDEX607-195-00-7</div><div>0,15 ≤ x < 0,2</div><div>Flam. Liq. 3 H226, STOT SE 3 H336</div></div> <div>EC203-603-9</div> <div>CAS108-65-6</div> <div>REACH Reg. 01-2119475791-29</div> <div>The full wording of hazard (H) phrases is given in section 16 of the sheet.</div> <div>1-Metil-2-Metoxithile acetate</div> <div>2-Methoxy-1-Methyl Ethyl Acetate: Composition:</div> <div>2-Metossopropile acetate: Content (W/W): <0.3 %</div> <div>CAS number: 70657-70-4; CE number: 274-724-2; Index number: 607-251-00-0</div> <div>Flam. Liq. 3 - Repr. 1b (fetus) - Stot SE 3 (irritation for app. Respiratory) H226, H335, H360D.</div>		
SECTION 4. First aid measures		
4.1. Description of first aid measures		
<div>In case of doubt or in the presence of symptoms contact a doctor and show him this document.</div> <div>In case of more severe symptoms, ask for immediate medical aid.</div> <div>EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.</div> <div>SKIN: Take off contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice.</div> <div>Avoid further contact with contaminated clothing.</div> <div>INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice/attention.</div> <div>INHALATION: Remove victim to fresh air, away from the accident scene. In the event of respiratory symptoms (coughing, wheezing, breathing difficulty, asthma) keep the victim in a comfortable position for breathing. If necessary administer oxygen. If the subject stops breathing, administer artificial respiration. Get medical advice/attention.</div> <div>Rescuer protection</div> <div>It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.</div>		
4.2. Most important symptoms and effects, both acute and delayed		
<div>Specific information on symptoms and effects caused by the product are unknown.</div> <div>DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.</div>		
4.3. Indication of any immediate medical attention and special treatment needed		
<div>IF exposed or concerned: call a POISON CENTER / doctor / . . .</div> <div>Means to have available in the workplace for specific and immediate treatment</div> <div>Running water for skin and eye wash.</div>		
SECTION 5. Firefighting measures		
5.1. Extinguishing media		
<div>SUITABLE EXTINGUISHING EQUIPMENT</div> <div>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.</div> <div>UNSUITABLE EXTINGUISHING EQUIPMENT</div> <div>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.</div>		
5.2. Special hazards arising from the substance or mixture		
<div>HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE</div> <div>Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.</div>		
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1950.0005L.103 - Н.Ц. РАЗРЕДИТЕЛ - СТАНДАРТ**SECTION 5. Firefighting measures ... / >>****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**

Avoid bunching of electrostatic charges. Do not spray on flames or incandescent bodies. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Do not eat, drink or smoke during use. Do not breathe spray.

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. 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.

7.2. Conditions for safe storage, including any incompatibilities

Store in a place where adequate ventilation is ensured, away from direct sunlight at a temperature below 50°C / 122°F, away from any combustion sources.

Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition.

7.3. Specific end use(s)

Information not available

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SECTION 8. Exposure controls/personal protection ... / >>										
ISO-BUTANOL										
Threshold Limit Value										
Type	Country	TWA/8h		STEL/15min		Remarks / Observations				
		mg/m3	ppm	mg/m3	ppm					
TLV	CZE	300	97,5	600	195					
AGW	DEU	310	100	310	100					
MAK	DEU	310	100	310	100					
VLEP	FRA	150	50							
TLV	GRC	300	100	300	100					
GVI/KGVI	HRV	154	50	231	75	SKIN				
TLV	ROU	100	33	200	66					
MV	SVN	310	100	310	100					
WEL	GBR	154	50	231	75					
TLV-ACGIH		152	50							
HEPTANE										
Threshold Limit Value										
Type	Country	TWA/8h		STEL/15min		Remarks / Observations				
		mg/m3	ppm	mg/m3	ppm					
TLV	BGR	1600								
TLV	CZE	1000	240	2000	480					
AGW	DEU	2100	500	2100	500					
MAK	DEU	2100	500	2100	500					
VLEP	FRA	1668	400	2085	500					
TLV	GRC	2000	500	2000	500					
GVI/KGVI	HRV	2085	500			SKIN				
VLEP	ITA	2085	500							
TLV	ROU	2085	500							
MV	SVN	2085	500	2085	500					
WEL	GBR	2085	500							
OEL	EU	2085	500							
TLV-ACGIH		1639	400	2049	500					
Predicted no-effect concentration - PNEC										
Normal value in fresh water						NPI				
Normal value in marine water						NPI				
Normal value for fresh water sediment						NPI				
Normal value for marine water sediment						NPI				
Normal value for water, intermittent release						NPI				
Normal value for marine water, intermittent release						NPI				
Normal value for fresh water, intermittent release						NPI				
Normal value of STP microorganisms						NPI				
Normal value for the food chain (secondary poisoning)						NPI				
Normal value for the terrestrial compartment						NPI				
Normal value for the atmosphere						NEA				
Health - Derived no-effect level - DNEL / DMEL										
Route of exposure	Effects on consumers				Effects on workers					
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic		
Oral				149 mg/kg/d						
Inhalation				447 mg/m3						

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SECTION 8. Exposure controls/personal protection ... / >>

METHYL ACETATE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV	CZE	600	195	800	260	
AGW	DEU	620	200	1240	400	
MAK	DEU	310	100	1240	400	
VLEP	FRA	610	200	760	250	SKIN
TLV	GRC	610	200	760	250	
GVI/KGVI	HRV	616	200	770	250	
TLV	ROU	200	63	600	188	
MV	SVN	610	200	1240	400	
WEL	GBR	616	200	770	250	
TLV-ACGIH		606	200	757	250	

ETHYL ACETATE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV	BGR	734	200	1468	400	
TLV	CZE	700	191,1	900	245,7	
AGW	DEU	730	200	1460	400	
MAK	DEU	750	200	1500	400	
VLEP	FRA	734	200	1468	400	
TLV	GRC	734	200	1468	400	
GVI/KGVI	HRV	734	200	1468	400	
VLEP	ITA	734	200	1468	400	
TLV	ROU	734	200	1468	400	
MV	SVN	734	200	1468	400	
WEL	GBR	734	200	1468	400	
OEL	EU	734	200	1468	400	
TLV-ACGIH		1441	400			

N-BUTYL ACETATE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV	BGR	710		950		
TLV	CZE	241		723		
AGW	DEU	300	62	600	124	
MAK	DEU	480	100	960	200	
VLEP	FRA	241	50	723	150	
TLV	GRC	710	150	950	200	
GVI/KGVI	HRV	241	50	723	150	
VLEP	ITA	241	50	723	150	
TLV	ROU	241	50	723	150	
MV	SVN	300	62	600	124	
WEL	GBR	724	150	966	200	
OEL	EU	241	50	723	150	
TLV-ACGIH			50		150	

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SECTION 8. Exposure controls/personal protection ... / >>

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, permeability time.

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

SKIN PROTECTION

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

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

EYE PROTECTION

Wear airtight protective goggles (see standard EN ISO 16321).

In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.

RESPIRATORY PROTECTION

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. 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).

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

ENVIRONMENTAL EXPOSURE CONTROLS

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

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

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	liquid	
Colour	colourless	
Odour	characteristic of solvent	
Melting point / freezing point	not available	
Initial boiling point	> 65 °C	
Boiling range	60-110°C °C	
Flammability	not available	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	-5 °C	
Auto-ignition temperature	not available	
Decomposition temperature	not available	
pH	non polare	
Kinematic viscosity	not available	
Solubility	not available	
Partition coefficient: n-octanol/water	not available	
Vapour pressure	not available	
Density and/or relative density	0,85	
Relative vapour density	not available	
Particle characteristics	not applicable	

9.2. Other information

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SECTION 9. Physical and chemical properties ... / >>		
9.2.1. Information with regard to physical hazard classes		
Information not available		
9.2.2. Other safety characteristics		
VOC (Directive 2004/42/EC) :	100,00 % - 849,00	g/litre
VOC (volatile carbon)	0	
SECTION 10. Stability and reactivity		
10.1. Reactivity		
There are no particular risks of reaction with other substances in normal conditions of use.		
ACETONE		
Decomposes under the effect of heat.		
ETHYL METHYL KETONE		
Reacts with: light metals, strong oxidants. Attacks various types of plastic materials. Decomposes under the effect of heat.		
ETHYL ACETATE		
Decomposes slowly into acetic acid and ethanol under the effect of light, air and water.		
N-BUTYL ACETATE		
Decomposes on contact with: water.		
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.		
XYLENE (Reactive mixture of ethylbenzene, m-xylene and p-xylene).		
Stable in normal conditions of use and storage. Reacts violently with: strong oxidants, strong acids, nitric acid, perchlorates. May form explosive mixtures with: air.		
ACETONE		
Risk of explosion on contact with: bromine trifluoride, fluorine dioxide, hydrogen peroxide, nitrosyl chloride, 2-methyl-1,3 butadiene, nitromethane, nitrosyl perchlorate. May react dangerously with: potassium tert-butoxide, alkaline hydroxides, bromine, bromoform, isoprene, sodium, sulphur dioxide, chromium trioxide, chromyl chloride, nitric acid, chloroform, peroxymonosulphuric acid, phosphoryl oxychloride, chromosulphuric acid, fluorine, strong oxidising agents, strong reducing agents. Develops flammable gas on contact with: nitrosyl perchlorate.		
ETHYL METHYL KETONE		
May form peroxides with: air, light, strong oxidising agents. Risk of explosion on contact with: hydrogen peroxide, nitric acid, sulphuric acid. May react dangerously with: oxidising agents, trichloromethane, alkalis. Forms explosive mixtures with: air.		
ETHYL ACETATE		
Risk of explosion on contact with: alkaline metals, hydrides, oleum. May react violently with: fluorine, strong oxidising agents, chlorosulphuric acid, potassium tert-butoxide. Forms explosive mixtures with: air.		
N-BUTYL ACETATE		
Risk of explosion on contact with: strong oxidising agents. May react dangerously with: alkaline hydroxides, potassium tert-butoxide. Forms explosive mixtures with: air.		
10.4. Conditions to avoid		
Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.		
ACETONE		
Avoid exposure to: sources of heat, naked flames.		
ETHYL METHYL KETONE		
Avoid exposure to: sources of heat.		
ETHYL ACETATE		
Avoid exposure to: light, sources of heat, naked flames.		
N-BUTYL ACETATE		
Avoid exposure to: moisture, sources of heat, naked flames.		
10.5. Incompatible materials		
ACETONE		
Incompatible with: acids, oxidising substances.		
ETHYL METHYL KETONE		
Incompatible with: strong oxidants, inorganic acids, ammonia, copper, chloroform.		
ETHYL ACETATE		

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Incompatible with: acids,bases,strong oxidants,chlorosulphuric acid.
N-BUTYL ACETATE

Incompatible with: water,nitrates,strong oxidants,acids,alkalis,zinc.

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.

ACETONE

May develop: ketenes,irritant substances.

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

Methylformiato

Irritation

Evaluation of the irritating effect:

Not irritating for the skin. Irritating for the eyes.

Experimental/calculated data:

Corrosion/irritation of the rabbit skin: not irritating. (draiize test)

Serious eye damage/eye rabbit eye irritation: irritating. (draiize test)

Avocative of the respiratory tract/of the skin

Evaluation of the sensitizing effect:

Animal tests have not shown sensitizing action. The product has not been tested. The

Indications are derived from substances/composition or similar structure products.

Experimental/calculated data:

Buehler Test Porcellino d'Ondia: non -sensitizing (Oecd - Guidelines 406)

The product has not been tested. The indications are derived from composition substances/products or

Similar structure.

Guinea Pig Maximation Test Porcellino d'India: non -sensitizing

The product has not been tested. The indications are derived from composition substances/products or

Similar structure.

Mutagenicity on germ cells

Mutgenicity evaluation: no mutagenic effect has been found in various experiments on bacteria and mammals. The product

It has not been completely tested. The statements were derived in part from products of

structure or similar composition

Carcinogenicity

Carcinogenicity evaluation:

No data available.

reproductive toxicity

Evaluation of toxicity for reproduction:

The results of animal studies do not highlight effects of damage to fertility. The product is not

been tested. The indications are derived from substances/composition or similar structure products.

Toxic for development.

Evaluation of teratogenicity:

Animal tests have not highlighted fetal damage. The product has not been tested. The

Indications are derived from substances/composition or similar structure products.

Specific toxicity for target organs (single exposure)

Single Stot evaluation:

It can irritate the respiratory tract. A single exposure can have relevant toxic effects on organs.

Target organ: central nervous system; optical nerve

Repeated dose toxicity and specific toxicity for target organs (repeated exposure)

Assessment of toxicity following repeated administration:

After repeated administrations, the main effect is local irritation. The substance can damage

In case of repeated inhalation, the primary respiratory tract, as shown by animal tests.

Danger in case of aspiration

No aspiration risk is expected.

Other indications on toxicity

The product/substance, after taking the body, is quickly degraded with

consequent formation of methanol. The toxicity of the

methanol.

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

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SECTION 11. Toxicological information ... / >>

Information on likely routes of exposure

XYLENE (Reactive mixture of ethylbenzene, m-xylene and p-xylene).
WORKERS: inhalation; contact with the skin.
POPULATION: ingestion of contaminated food or water; inhalation of ambient air.

N-HEXANE
WORKERS: inhalation; contact with the skin.
POPULATION: inhalation of ambient air.

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

N-BUTYL ACETATE
WORKERS: inhalation; contact with the skin.

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

XYLENE (Reactive mixture of ethylbenzene, m-xylene and p-xylene).
Toxic effect on the central nervous system (encephalopathy); irritating for the skin, conjunctiva, cornea and respiratory apparatus.

N-HEXANE
The chronic toxic effect concerns the central and peripheral nervous system; this is also affected by an acute effect. The irritating action affects the respiratory tract, conjunctiva and skin.

METHANOL
The minimum lethal dose for humans by ingestion is considered to be in the range from 300 to 1000 mg/kg. Ingestion of 4-10 ml of the substance may cause permanent blindness in adult humans (IPCS).

N-BUTYL ACETATE
In humans, the substance's vapours cause irritation of the eyes and nose. In the event of repeated exposure, skin irritation, dermatitis (dryness and cracking of the skin) and keratitis appear.

Interactive effects

XYLENE (Reactive mixture of ethylbenzene, m-xylene and p-xylene).
Intake of alcohol interferes with the metabolism of the substance, inhibiting it. Ethanol consumption (0.8 g/kg) before a 4-hour exposure to xylene vapours (145 and 280 ppm) causes a 50% reduction in the excretion of methyl hippuric acid, whereas the concentration of xylenes in the blood increases approx. 1.5-2 times. At the same time there is an increase in the secondary side effects of the ethanol. The metabolism of the xylenes is increased by phenobarbital and 3-methyl-colantrene type enzyme inducers. Aspirin and xylenes mutually inhibit their conjugation with the glycine, which results in a decrease in urinary excretion of methyl hippuric acid. Other industrial products can interfere with the metabolism of xylenes.

N-HEXANE
Simultaneous exposure to toluene or methyl ethyl ketone inhibits the metabolism of the substance and the formation of 2,5-hexanedione (INRS, 2008).

N-BUTYL ACETATE
A case of acute intoxication been reported involving a 33 year old worker while cleaning a tank with a preparation containing xylenes, butyl acetate and ethylene glycol acetate. The person had irritation of the conjunctiva and upper respiratory tract, drowsiness and motor coordination disorders, which disappeared within 5 hours. The symptoms are attributed to poisoning by mixed xylenes and butyl acetate, with a possible synergistic effect responsible for the neurological effects. Cases of vacuolar keratitis are reported in workers exposed to a mixture of butyl acetate and isobutanol vapours, but with uncertainty concerning the responsibility of a particular solvent (INRC, 2011).

ACUTE TOXICITY

ATE (Inhalation - mists / powders) of the mixture:	> 5 mg/l
ATE (Inhalation - vapours) of the mixture:	> 20 mg/l
ATE (Oral) of the mixture:	1000,00 mg/kg
ATE (Dermal) of the mixture:	>2000 mg/kg

XYLENE (Reactive mixture of ethylbenzene, m-xylene and p-xylene).	
LD50 (Dermal):	4350 mg/kg Rabbit
ATE (Dermal):	1100 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)
LD50 (Oral):	3523 mg/kg Rat

SECTION 11. Toxicological information ... / >>

LC50 (Inhalation vapours):	26 mg/l/4h Rat
ISO-BUTANOL	
LD50 (Dermal):	2460 mg/kg Rabbit
LD50 (Oral):	2460 mg/kg Rat
LC50 (Inhalation vapours):	19,2 mg/l/4h Rat
N-HEXANE	
LD50 (Dermal):	3000 mg/kg Rabbit
LD50 (Oral):	5000 mg/kg Rat
METHANOL	
ATE (Dermal):	300 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)
ATE (Oral):	100 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)
LC50 (Inhalation vapours):	> 87,6 mg/l/4h Rat
ATE (Inhalation vapours):	3 mg/l estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)
PROPAN-2-OL	
LD50 (Dermal):	12800 mg/kg Rat
LD50 (Oral):	4710 mg/kg Rat
LC50 (Inhalation vapours):	72,6 mg/l/4h Rat
ACETONE	
LD50 (Dermal):	7400 mg/kg rabbit
LD50 (Oral):	5800 mg/kg 24 h rat
LC50 (Inhalation vapours):	76 mg/l/4h rat
ETHYL METHYL KETONE	
LD50 (Dermal):	6480 mg/kg Rabbit
LD50 (Oral):	2737 mg/kg Rat
LC50 (Inhalation vapours):	23,5 mg/l/8h Rat
METHYL ACETATE	
LD50 (Dermal):	> 2000 mg/kg ratto
LD50 (Oral):	> 6482 mg/kg ratto
LC50 (Inhalation vapours):	> 49,2 mg/l 4 h ratto
N-BUTYL ACETATE	
LD50 (Dermal):	> 5000 mg/kg Rabbit
LD50 (Oral):	> 6400 mg/kg Rat
LC50 (Inhalation vapours):	21,1 mg/l/4h Rat
Toulene	
LD50 (Dermal):	12267 mg/kg rabbit
LD50 (Oral):	5000 mg/kg 24h rat
LC50 (Inhalation vapours):	25,7 mg/l/4h rat
1-Metil-2-Metoxithile acetate	
LD50 (Dermal):	> 5000 mg/kg
LD50 (Oral):	8530 mg/kg
Methyl carbonate	
LD50 (Dermal):	> 5,36 mg/m3 ratto
LD50 (Oral):	> 5000 mg/kg
LC50 (Inhalation vapours):	500 mg/kg bw/day ratto 4 h
Methylformiato	
ATE (Dermal):	300 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)
LD50 (Oral):	1500 mg/kg RATTO (TEST BASF)
ATE (Oral):	100 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)

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ETHYL ALCOHOL

LD50 (Dermal):	15800 mg/kg rat
LD50 (Oral):	10470 mg/kg rat
LC50 (Inhalation vapours):	30000 mg/l/4h (inalatoria ratto)

Aromatic hydrocarbon, C9 hydrocarbons, aromatics

Hydrocarbons, aromatic c9 oral LD50 3492 mg/kg/rat ld50cuanea <3160 mg/kg rabbit lc50 inhalation> 6193 mg/m3rat

SKIN CORROSION / IRRITATION

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

XYLENE (Reactive mixture of ethylbenzene, m-xylene and p-xylene).

Classified in Group 3 (not classifiable as a human carcinogen) by the International Agency for Research on Cancer (IARC).
The US Environmental Protection Agency (EPA) affirms that "the data is inadequate for an assessment of the carcinogenic potential".

N-HEXANE

The US Environmental Protection Agency (EPA) affirms that "the data was inadequate for an assessment of the carcinogenic potential"- (US EPA file on-line 2015).

REPRODUCTIVE TOXICITY

Suspected of damaging the unborn child

STOT - SINGLE EXPOSURE

May cause damage to organs
May cause drowsiness or dizziness

STOT - REPEATED EXPOSURE

May cause damage to organs

ASPIRATION HAZARD

Toxic for aspiration

11.2. Information on other hazards

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

SECTION 12. Ecological information

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

12.1. Toxicity

Aromatic hydrocarbon, C9 hydrocarbons, aromatics

LC50 Pisces 9.2 mg/96h EC50 Crustacean fish 3.2 mg/l/48h EI50 Daphnia Magna Ec50 Algae/Aquatic plants 2.9 mg/l/72h

EI50Pseudokirkinchineriella subcapitated

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SECTION 12. Ecological information

... / >>

HEPTANE

LC50 - for Fish

EC50 - for Crustacea

EC50 - for Algae / Aquatic Plants

375 mg/l/96h Oreochromis mossambicus

82,5 mg/l/48h Daphnia magna

1,5 mg/l/72h Algae

Toulene

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

5,5 mg/l/96h Oncorhynchus kisutch

3,78 mg/l/48h Ceriodaphnia dubia

134 mg/l/72h Chlamydomonas angulosa

1,39 mg/l 40 giorni - Oncorhynchus kisutch

0,74 mg/l 7 giorni - Ceriodaphnia dubia

10 mg/l 72 ore - Skeletonema costatum

Methyl carbonate

EC50 - for Crustacea

EC50 - for Algae / Aquatic Plants

Chronic NOEC for Algae / Aquatic Plants

> 100 mg/l/48h OECD 202 DAPHNIA MAGNA

> 100 mg/l OECD 201 SELENASTRUM CAPRICORNUTUM

25 mg/l TEMPO DI ESPOSIZIONE 21 GG OECD 211

Methylformiato

LC50 - for Fish

EC50 - for Crustacea

120 mg/l/96h leucisco dorato

> 500 mg/l/48h daphnia magna

12.2. Persistence and degradability

Methyl carbonate

86% Test Duration Degradation percentage: 28D OECD 301C Method

Methylformiato

Evaluation of biodegradability and elimination (H2O):

Easily biodegradable (according to Oecd criteria).

Considerations on disposal:

90 - 100 % CO2 formation of the theoretical value (28 D) (ISO 14593) (aerobic, active mud, domestic, not adapted)

Evaluation of stability in water:

In contact with water, the substance slowly hydrolyses.

Stability data in water (hydrolysis):

T1/2 28.6 h, (Oecd 111 guideline, h 7)

T1/2 259 h, (OECD 111 guideline, Ph 4)

T1/2 0.7 h, (OECD 111 guideline, Ph 9)

XYLENE (Reactive mixture of ethylbenzene, m-xylene and p-xylene).

Solubility in water

Rapidly degradable

100 - 1000 mg/l

ISO-BUTANOL

Solubility in water

Rapidly degradable

1000 - 10000 mg/l

HEPTANE

Solubility in water

Rapidly degradable

0,1 - 100 mg/l

N-HEXANE

Solubility in water

Rapidly degradable

0,1 - 100 mg/l

METHANOL

Solubility in water

Rapidly degradable

1000 - 10000 mg/l

PROPAN-2-OL

Rapidly degradable

ACETONE




Rapidly degradable

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ETHYL METHYL KETONE			
Solubility in water	> 10000 mg/l		
Rapidly degradable			
METHYL ACETATE			
Solubility in water	243500 mg/l		
Rapidly degradable			
ETHYL ACETATE			
Solubility in water	> 10000 mg/l		
Rapidly degradable			
N-BUTYL ACETATE			
Solubility in water	1000 - 10000 mg/l		
Toulene			
Rapidly degradable	Rapidamente Biodegradabile		
12.3. Bioaccumulative potential			
Methyl carbonate			
Little bioaccumulable			
XYLENE (Reactive mixture of ethylbenzene, m-xylene and p-xylene).			
Partition coefficient: n-octanol/water	3,12		
BCF	25,9		
ISO-BUTANOL			
Partition coefficient: n-octanol/water	1		
HEPTANE			
Partition coefficient: n-octanol/water	4,5		
BCF	552		
N-HEXANE			
Partition coefficient: n-octanol/water	4		
BCF	501,187		
METHANOL			
Partition coefficient: n-octanol/water	-0,77		
BCF	0,2		
PROPAN-2-OL			
Partition coefficient: n-octanol/water	0,05		
ACETONE			
Partition coefficient: n-octanol/water	-0,23		
BCF	3		
ETHYL METHYL KETONE			
Partition coefficient: n-octanol/water	0,3		
METHYL ACETATE			
Partition coefficient: n-octanol/water	0,18		
ETHYL ACETATE			
Partition coefficient: n-octanol/water	0,68		
BCF	30		
N-BUTYL ACETATE			
Partition coefficient: n-octanol/water	2,3		
BCF	15,3		
Toulene			
BCF	90		
12.4. Mobility in soil			

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SECTION 12. Ecological information ... / >>		
<div>Methyl carbonate</div> <div>Evaporate quickly</div> <div>XYLENE (Reactive mixture of ethylbenzene, m-xylene and p-xylene).</div> <div>Partition coefficient: soil/water2,73</div> <div>ISO-BUTANOL</div> <div>Partition coefficient: soil/water0,31</div> <div>HEPTANE</div> <div>Partition coefficient: soil/water2,38</div> <div>N-HEXANE</div> <div>Partition coefficient: soil/water3,34</div> <div>METHYL ACETATE</div> <div>Partition coefficient: soil/water0,18</div> <div>N-BUTYL ACETATE</div> <div>Partition coefficient: soil/water< 3</div>		
12.5. Results of PBT and vPvB assessment		
<div>On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.</div>		
12.6. Endocrine disrupting properties		
<div>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.</div>		
12.7. Other adverse effects		
<div>Information not available</div>		
SECTION 13. Disposal considerations		
13.1. Waste treatment methods		
<div>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.</div> <div>Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.</div> <div>Waste transportation may be subject to ADR restrictions.</div> <div>The management of waste arising from the use or dispersal of this product must be organised in accordance with occupational safety regulations. See section 8 for possible need for PPE.</div> <div>CONTAMINATED PACKAGING</div> <div>Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.</div>		
SECTION 14. Transport information		
14.1. UN number or ID number		
<div>ADR / RID, IMDG, IATA:UN 1263</div>		
14.2. UN proper shipping name		
<div>ADR / RID:PAINT RELATED MATERIAL</div> <div>IMDG:PAINT RELATED MATERIAL</div> <div>IATA:PAINT RELATED MATERIAL</div>		
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SECTION 14. Transport information ... / >>																							
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:	II																						
14.5. Environmental hazards																							
ADR / RID:	NO																						
IMDG:	not marine pollutant																						
IATA:	NO																						
14.6. Special precautions for user																							
ADR / RID:	HIN - Kemler: 33	Limited Quantities: 5 lt	Tunnel restriction code: (D/E)																				
	Special provision: 163, 367, 640D, 650																						
IMDG:	EMS: F-E, S-E	Limited Quantities: 5 lt																					
IATA:	Cargo:	Maximum quantity: 60 L	Packaging instructions: 364																				
	Passengers:	Maximum quantity: 5 L	Packaging instructions: 353																				
	Special provision:	A3, A72, A192																					
14.7. Maritime transport in bulk according to IMO instruments																							
Information not relevant																							
SECTION 15. Regulatory information																							
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture																							
Seveso Category - Directive 2012/18/EU:		P5c																					
Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006																							
<table><tr><td colspan="2">Product</td></tr><tr><td>Point</td><td>3 - 40</td></tr><tr><td colspan="2">Contained substance</td></tr><tr><td>Point</td><td>75</td></tr><tr><td>Point</td><td>69</td></tr><tr><td></td><td>METHANOL</td></tr><tr><td></td><td>REACH Reg.: 01-2119433307-44</td></tr><tr><td>Point</td><td>48</td></tr><tr><td></td><td>Toulene</td></tr><tr><td></td><td>REACH Reg.: 01-2119471310-51</td></tr></table>				Product		Point	3 - 40	Contained substance		Point	75	Point	69		METHANOL		REACH Reg.: 01-2119433307-44	Point	48		Toulene		REACH Reg.: 01-2119471310-51
Product																							
Point	3 - 40																						
Contained substance																							
Point	75																						
Point	69																						
	METHANOL																						
	REACH Reg.: 01-2119433307-44																						
Point	48																						
	Toulene																						
	REACH Reg.: 01-2119471310-51																						
Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors																							
Regulated explosives precursor																							
The acquisition, introduction, possession or use of that regulated explosives precursor by members of the general public is subject to reporting obligations as set out in Article 9.																							
All suspicious transactions and significant disappearances and thefts must be reported to the relevant national contact point.																							
Substances in Candidate List (Art. 59 REACH)																							
On the basis of available data, the product does not contain any SVHC in percentage ≥ than 0,1%.																							
Substances subject to authorisation (Annex XIV REACH)																							
None																							
Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:																							
None																							

<div>MULTICHIMICA SPA</div> <div>1950.0005L.103 - Н.Ц. РАЗРЕДИТЕЛ - СТАНДАРТ</div>		<div>Revision nr.24 Dated 13/03/2025 Printed on 03/04/2025 Page n. 24 / 26 Replaced revision:23 (Dated 08/02/2024)</div> <div>EN</div>
SECTION 15. Regulatory information ... / >>		
<div>Substances subject to the Rotterdam Convention:</div> <div>None</div> <div>Substances subject to the Stockholm Convention:</div> <div>None</div> <div>Healthcare controls</div> <div>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.</div> <div>VOC (Directive 2004/42/EC) :</div> <div>Preparatory and cleaning - Preparatory .</div>		
15.2. Chemical safety assessment		
<div>A chemical safety assessment has been performed for the following contained substances</div> <div>XYLENE (Reactive mixture of ethylbenzene, m-xylene and p-xylene).</div> <div>ISO-BUTANOL</div> <div>ETHYL METHYL KETONE</div> <div>ETHYL ACETATE</div> <div>N-BUTYL ACETATE</div> <div>Toulene</div> <div>1-Metil-2-Metoxythile acetate</div>		
SECTION 16. Other information		
<div>Text of hazard (H) indications mentioned in section 2-3 of the sheet:</div> <div><div><div>Flam. Liq. 1</div><div>Flam. Liq. 2</div><div>Flam. Liq. 3</div><div>Repr. 2</div><div>Acute Tox. 3</div><div>STOT SE 1</div><div>Acute Tox. 4</div><div>Asp. Tox. 1</div><div>STOT RE 2</div><div>Eye Dam. 1</div><div>Eye Irrit. 2</div><div>Skin Irrit. 2</div><div>STOT SE 3</div><div>STOT SE 2</div><div>Aquatic Acute 1</div><div>Aquatic Chronic 1</div><div>Aquatic Chronic 2</div><div>Aquatic Chronic 3</div><div>H224</div><div>H225</div><div>H226</div><div>H361d</div><div>H361f</div><div>H301</div><div>H311</div><div>H331</div><div>H370</div><div>H302</div><div>H312</div><div>H332</div><div>H304</div><div>H373</div><div>H318</div><div>H319</div><div>H315</div><div>H335</div><div>H336</div><div>H371</div><div>H400</div><div>H410</div><div>H411</div><div>H412</div></div><div><div>Flammable liquid, category 1</div><div>Flammable liquid, category 2</div><div>Flammable liquid, category 3</div><div>Reproductive toxicity, category 2</div><div>Acute toxicity, category 3</div><div>Specific target organ toxicity - single exposure, category 1</div><div>Acute toxicity, category 4</div><div>Aspiration hazard, category 1</div><div>Specific target organ toxicity - repeated exposure, category 2</div><div>Serious eye damage, category 1</div><div>Eye irritation, category 2</div><div>Skin irritation, category 2</div><div>Specific target organ toxicity - single exposure, category 3</div><div>Specific target organ toxicity - single exposure, category 2</div><div>Hazardous to the aquatic environment, acute toxicity, category 1</div><div>Hazardous to the aquatic environment, chronic toxicity, category 1</div><div>Hazardous to the aquatic environment, chronic toxicity, category 2</div><div>Hazardous to the aquatic environment, chronic toxicity, category 3</div><div>Extremely flammable liquid and vapour.</div><div>Highly flammable liquid and vapour.</div><div>Flammable liquid and vapour.</div><div>Suspected of damaging the unborn child.</div><div>Suspected of damaging fertility.</div><div>Toxic if swallowed.</div><div>Toxic in contact with skin.</div><div>Toxic if inhaled.</div><div>Causes damage to organs.</div><div>Harmful if swallowed.</div><div>Harmful in contact with skin.</div><div>Harmful if inhaled.</div><div>May be fatal if swallowed and enters airways.</div><div>May cause damage to organs through prolonged or repeated exposure.</div><div>Causes serious eye damage.</div><div>Causes serious eye irritation.</div><div>Causes skin irritation.</div><div>May cause respiratory irritation.</div><div>May cause drowsiness or dizziness.</div><div>May cause damage to organs.</div><div>Very toxic to aquatic life.</div><div>Very toxic to aquatic life with long lasting effects.</div><div>Toxic to aquatic life with long lasting effects.</div><div>Harmful to aquatic life with long lasting effects.</div></div></div>		
<div>EPY 11.8.2 - SDS 1004.14</div>		

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SECTION 16. Other information ... / >>

EUH066

Repeated exposure may cause skin dryness or cracking.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- 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
- vPvM: Very persistent and very mobile
- 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)
 23. Delegated Regulation (UE) 2023/707
 24. Delegated Regulation (UE) 2023/1434 (XIX Atp. CLP)
 25. Delegated Regulation (UE) 2023/1435 (XX Atp. CLP)
 26. Delegated Regulation (UE) 2024/197 (XXI Atp. CLP)
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology

1950.0005L.103 - Н.Ц. РАЗРЕДИТЕЛ - СТАНДАРТ**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:

02 / 03 / 04 / 08 / 11 / 12 / 13 / 14 / 15.