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WHITE SPIRIT

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Safety Data Sheet

Complies with Annex II of REACH - Regulation (EU) 2020/878

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

1.1. Product identifier

Name	**WHITE SPIRIT - ODORLESS THINNER FOR SYNTHETICS**
Chemical name and synonyms	**MIXTURE SOLVENTS**
UFI:	**5XT0-S0X4-F00M-ERK8**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Description/Usage **DILUENT**

Identified Uses	Industrial	Professional	Consumption
Dilution, degreasing, preparation of certain surfaces	✔	✔	✔

1.3. Information about the supplier of the safety data sheet

Business name	**CECCHI GUSTAVO & C. srl**
Address	**Via M. Coppino 253**
Locality and State	**55049 Viareggio (LU)**
	Italy
	tel. +390584 383694
e-mail of the competent person, responsible for the safety data sheet	**info@cecchi.it**
Supplier:	**CECCHI GUSTAVO & C. srl**

1.4. Emergency telephone number For urgent information please contact

- company tel.+39 0584 383694
- CAV "
Hospital. Pediatric Child Jesus" DEA
Emergency and Reception Dept., Rome
Piazza Sant`Onofrio, 4 - 00165 06 6
- Az. Osp. Univ. Foggia **Foggia**
V.le Luigi Pinto, 1 - **71122** **800183459**
- Hospital Az. "A. Cardarelli" **Naples**
Via A. Cardarelli, 9 - **80131** **081-7472870**
- CAV Policlinico "Umberto I" **Rome**
V.le del Policlinico, 155 -00161 **06-49978000**
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Largo Agostino Gemelli, 8 -00168 **06-3054343**
- Hospital Az. "Careggi" OU Toxic. Medical
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- CAV National Toxic Information Centre. Pavia
Via Salvatore Maugeri, 10- 27100 0382-24444
- Hospital. Niguarda Ca' Granda Milan Piazz.
Ospedale Maggiore,3 - 20102 66101029
- Papa Giovanni XXII Bergamo Hospital Piazza OMS,
1 - 24127 800883300

SECTION 2. Hazard Identification

2.1. Substance or mixture classification

The product is classified as dangerous pursuant to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adjustments). The product therefore requires a safety data sheet compliant with the provisions of Regulation (EU) 2020/878.
Any additional information regarding risks to health and/or the environment is reported in the sections. 11 and 12 of this sheet.

Hazard classification and indications:

Flammable liquid, category 3 Aspiration hazard, category 1	H226 H304	Flammable liquid and vapour. It can be lethal if ingested and enters the respiratory tract.
Specific target organ toxicity - single exposure, category 3	H336	May cause drowsiness or dizziness.

2.2. Label elements

Hazard labeling pursuant to Regulation (EC) 1272/2008 (CLP) and subsequent amendments and adjustments.

Hazard pictograms:

Warnings: Danger

Hazard Statements:

H226	Flammable liquid and vapour.
H304	It can be lethal if ingested and enters the respiratory tract. May cause
H336	drowsiness or dizziness.
EUH066	Repeated exposure may cause dryness or cracking of the skin.

Precautionary advice:

P501	Dispose of product / container in accordance with local / regional / national
P102	regulations. Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames or other sources of ignition. Not smoking. DO NOT
P331	induce vomiting.
P280	Wear protective gloves/clothing and protect your eyes/face.
P301+P310	IF SWALLOWED: Immediately contact a POISON CENTER / doctor / . . .

Contains: HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATIC 1-METHOXY-2-PROPANOL

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

2.3. Other dangers

Based on available data, the product does not contain PBT or vPvB substances in percentages ≥ 0.1%.

The product does not contain substances with properties that interfere with the endocrine system in concentrations ≥ 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATIC		
CAS 64742-48-9	90 ≤ x < 100	Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H336, EUH066, Classification note according to Annex VI of the CLP Regulation: P
THERE IS 919-857-5		
INDEX -		
REACH Reg 01-2119463258-33		
1-METHOXY-2-PROPANOL		
CAS 107-98-2	9 ≤ x < 10	Flam. Liq. 3 H226, STOT SE 3 H336
THERE IS 203-539-1		
INDEX 603-064-00-3		
REACH Reg 01-2119457435-35		

The complete text of the hazard indications (H) is shown in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove any contact lenses. Wash immediately and abundantly with water for at least 15 minutes, opening the eyelids wide. Consult a doctor if the problem persists.
SKIN: Take off contaminated clothing. Shower immediately. Call a doctor immediately. Wash the contaminated garments before reusing them.

INHALATION: Move the subject to fresh air. If breathing stops, give artificial respiration. Call a doctor immediately. INGESTION: Call a doctor immediately. Do not induce vomiting. Do not administer anything that is not expressly authorized by your doctor.

4.2. Main symptoms and effects, both acute and delayed

There is no specific information on the symptoms and effects caused by the product.

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

Information not available

SECTION 5. Fire fighting measures

5.1. Fire fighting

SUITABLE EXTINGUISHING MEANS
The extinguishing media are: carbon dioxide, foam, chemical powder. For product leaks and spills that have not ignited, water

spray can be used to disperse flammable vapors and protect people trying to stop the leak. UNSUITABLE EXTINGUISHING MEANS
Do not use water jets. Water is not effective in extinguishing fires however it can be used to cool closed containers exposed to flames preventing bursts and explosions.

5.2. Special hazards arising from the substance or mixture

DANGERS DUE TO EXPOSURE IN THE EVENT OF FIRE
Overpressure can be created in containers exposed to fire with risk of explosion. Avoid breathing combustion products.

5.3. Recommendations for fire extinguishers

GENERAL INFORMATIONS
Cool the containers with jets of water to avoid decomposition of the product and the development of substances potentially dangerous to health. Always wear full fire protection equipment. Collect extinguishing water that must not be discharged into sewers. Dispose of the contaminated water used for extinguishing and the residue of the fire according to current regulations.
EQUIPMENT
Normal fire-fighting clothing, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant suit (EN469), flame retardant gloves (EN 659) and fire fighter boots (HO A29 or A30).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Stop the leak if there is no danger.
Wear appropriate protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing. These indications are valid both for workers and for emergency interventions.

Keep unequipped people away. Use explosion-proof equipment. Eliminate any sources of ignition (cigarettes, flames, sparks, etc.) or heat from the area where the leak occurred.

6.2. Environmental precautions

Prevent the product from entering sewers, surface waters and groundwater.

6.3. Methods and materials for containment and cleanup

Suck up the spilled product into a suitable container. Evaluate the compatibility of the container to be used with the product, checking section 10. Absorb the remainder with inert absorbent material.
Provide sufficient ventilation of the area affected by the leak. Disposal of contaminated material must be carried out in accordance with the provisions of point 13.

6.4. Reference to other sections

Any information regarding personal protection and disposal is reported in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for Safe Handling

Keep away from heat, sparks and open flames, do not smoke or use matches or lighters. Without adequate ventilation, vapors can accumulate on the ground and ignite even remotely, if triggered, with the risk of backfire. Avoid the accumulation of electrostatic charges. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before entering eating areas. Avoid dispersing the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a cool, well-ventilated place, away from heat sources, open flames, sparks and other sources of ignition. Store containers away from any incompatible materials, checking section 10.

Storage class TRGS 510 (Germany): 3

7.3. Particular end uses

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Normative requirements:

DEU	Deutschland	Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56
EXP	Spain	Professional exposure limits for chemical agents in Spain 2021
BETWEEN	France	Value limits of professional exposure to chemical agents in France. ED 984 - INRS Legislative
ITA	Italy	Decree 9 April 2008, n.81
NLD	Nederland	Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden op grond van de artikelen 4.3, eerste lid, en 4.16, eerste lid, van het Arbeidsomstandighedenbesluit
PRT	Portugal	Decree-Lei n.º 1/2021 of 6 January, indicative professional exposure limit values for chemical agents. Legislative Decree no. 35/2020 of 13 July, protection of workers against risks linked to exposure during work with cancerous or mutagenic agents
POL	Polska	Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy
ROU	Romania	Hotărârea nr. 53/2021 for modification hotărârii guvernului nr. 1.218/2006, precum to be modified and completed in hot guvernului nr. 1.093/2006
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
EU	TLV-ACGIH	ACGIH 2022
	CPR TLV	ACGIH TLVs and BEIs – Appendix H

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATIC

Threshold limit value

Guy	State	TWA/8h		STEL/15min		Note / Observations
		mg/m3	ppm	mg/m3	ppm	
CPR TLV		1200	197			

Predicted no-effect concentration on the environment - PNEC	
Reference value for sediments in fresh water	0
Reference value for sediments in sea water	0
Reference value for the food chain (secondary poisoning)	0

Health - Derived no effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Exhibition Street	Acute rooms	Acute systemic	Chronic premises	Systemic chronic	Acute rooms	Systemic acute	Chronic premises	Systemic chronic
Oral	VND		VND	125 mg/kg bw/d	VND		VND	
Inhalation	VND	570	VND	185 mg/m3	VND	1500	VND	871 mg/m3
Dermal	VND		VND	125 mg/kg bw/d	VND		VND	208 mg/kg bw/d

1-METHOXY-2-PROPANOL

Threshold limit value

Guy	State	TWA/8h		STEL/15min		Note / Observations
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	370	100	740	200	
MAK	DEU	370	100	740	200	
VLA	EXP	375	100	568	150	SKIN
VLEP	BETWEEN	188	50	375	100	SKIN
VLEP	ITA	375	100	568	150	SKIN
TGG	NLD	375		563		SKIN
VLE	PRT	375	100	568	150	
NDS/NDSCh	POL	180		360		SKIN
TLV	ROU	375	100	568	150	SKIN
WEL	GBR	375	100	560	150	SKIN
OEL	EU	375	100	568	150	SKIN
TLV-ACGIH		184	50	368	100	

Predicted no-effect concentration on the environment - PNEC		
Reference value in fresh water	10	mg/l
Reference value in sea water	1	mg/l
Reference value for sediments in fresh water	52.3	mg/kg
Reference value for sediments in sea water	5.2	mg/kg
Reference value for water, intermittent release	100	mg/l
Reference value for STP microorganisms	100	mg/l
Reference value for the terrestrial compartment	4.59	mg/kg bw/day

Health - Derived no effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Exhibition Street	Acute rooms	Acute systemic	Chronic premises	Systemic chronic	Acute rooms	Systemic acute	Chronic premises	Systemic chronic
Oral	NPI		33 mg/kg bw/d					
Inhalation	NPI	NPI	NPI	43.9 mg/m3	553.5 mg/m3	553.5 mg/m3	NPI	1h 369 mg/m3
Dermal	NPI	NPI	NPI	78 mg/kg bw/d	NPI	NPI	NPI	183 mg/kg bw/d

Legend:

(C) = CEILING ; INALAB = Inhalable Fraction; RESPIR = Respirable Fraction; TORAC = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available; NEA = no expected exposure; NPI = no hazard identified; LOW = low danger; MED = medium danger; HIGH = high danger.

8.2. Exposure controls

Considering that the use of adequate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective local extraction.
When choosing personal protective equipment, ask your chemical suppliers for advice if necessary. Personal protective equipment must bear the CE marking which certifies their compliance with current regulations.

HAND PROTECTION

Protect your hands with category III work gloves.
For the final choice of the material of work gloves (ref. standard EN 374) the following must be considered: compatibility, degradation, breakage and permeation time.
In the case of preparations, the resistance of work gloves to chemical agents must be checked before use as it is unpredictable. The gloves have a wear time that depends on the duration and method of use.

SKIN PROTECTION
Wear work clothes with long sleeves and safety footwear for professional category I use (ref. Regulation 2016/425 and standard EN ISO 20344). Wash with soap and water after removing protective clothing.

Consider providing anti-static clothing if the work environment presents a risk of explosiveness.

EYE PROTECTION
We recommend wearing airtight protective glasses (ref. standard EN 166).

RESPIRATORY PROTECTION
If the threshold value (e.g. TLV-TWA) of the substance or one or more of the substances present in the product is exceeded, it is recommended to wear a mask with a type A filter whose class (1, 2 or 3) must be chosen in relation to the limit concentration of use. (ref. standard EN 14387). If gases or vapors of a different nature and/or gases or vapors with particles (aerosols, fumes, mists, etc.) are present, combined filters must be provided. The use of respiratory protection means is necessary if the technical measures adopted are not sufficient to limit the worker's exposure to the threshold values taken into consideration. However, the protection offered by masks is limited.
In the event that the substance considered is odorless or its olfactory threshold is higher than the relevant TLV-TWA and in case of emergency, wear an open-circuit compressed air breathing apparatus (ref. standard EN 137) or a self-contained breathing apparatus external air (ref. EN 138 standard). For the correct choice of respiratory protection device, refer to the EN 529 standard.

ENVIRONMENTAL EXPOSURE CONTROLS
Emissions from production processes, including those from ventilation equipment, should be controlled for compliance with environmental protection legislation.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Property	Value	Information
Physical State	liquid	
Color	colorless	
Odor	characteristic of white spirit	
Melting or freezing point Initial	not available	
boiling point	not available	
Flammability	not available	
Lower explosive limit Upper	not available	
explosive limit	not available	
Flash point Auto-ignition temperature	39°C not available	Method:Abel-Pensky Closed Cup
pH Kinematic viscosity	7 < 20.5 mm2/sec (40°C)	Concentration: 10% Method:v kinematic = vg/mm·s at 40°C / g/ mm3
Solubility	IN WATER 10% BY	
Partition coefficient: n-octanol/water:	WEIGHT not available	
Vapor pressure Density and/or Relative density	192.46 mmHg 0.80	Method: Calculated value Method: OECD 109 Temperature: 20°C
Relative vapor density Particle	not available	
characteristics	Not applicable	

9.2. More information

9.2.1. Information regarding physical hazard classes

Information not available

9.2.2. Other safety features

Total solids {0}

	not available	Method: Calculated value
VOC (Directive 2010/75/EU)	100.00 % - 795.18 g/litre	
VOC (volatile carbon)	79.13% - 629.19 g/litre	

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular dangers of reaction with other substances under normal conditions of use.

1-METHOXY-2-PROPANOL

Dissolves various plastic materials. Stable under normal conditions of use and storage.

It absorbs and dissolves in water and organic solvents. With air it can slowly give explosive peroxides.

10.2. Chemical stability

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

10.3. Possibility of dangerous reactions

Vapors can form explosive mixtures with air.

1-METHOXY-2-PROPANOL

May react dangerously with: strong oxidizing agents, strong acids.

10.4. Conditions to avoid

Avoid overheating. Avoid the accumulation of electrostatic charges. Avoid any source of ignition.

1-METHOXY-2-PROPANOL

Avoid exposure to: air.

10.5. Incompatible materials

1-METHOXY-2-PROPANOL

Incompatible with: oxidizing substances, strong acids, alkali metals.

10.6. Hazardous decomposition products

Due to thermal decomposition or in the event of fire, gases and vapors potentially harmful to health can be released.

SECTION 11. Toxicological information

In the absence of experimental toxicological data on the product itself, any health hazards of the product were assessed based on the properties of the substances contained, according to the criteria established by the reference legislation for classification.
Therefore, consider the concentration of the individual dangerous substances possibly mentioned in section. 3, to evaluate the toxicological effects resulting from exposure to the product.

11.1. Information on the hazard classes defined in Regulation (EC) no. 1272/2008

Metabolism, kinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

1-METHOXY-2-PROPANOL
WORKERS: inhalation; contact with the skin.
POPULATION: ingestion of contaminated food or water; inhalation of ambient air; contact with the skin of products containing the substance.

Immediate, delayed and chronic effects resulting from short- and long-term exposures

1-METHOXY-2-PROPANOL
The main route of entry is the skin, while the respiratory route is less important, given the low vapor pressure of the product. Above 100 ppm there is irritation of the ocular, nasal and oropharyngeal mucous membranes. At 1000 ppm, balance disturbances and severe eye irritation are noted. The clinical and biological tests carried out on the exposed volunteers revealed no anomalies. Acetate produces greater skin and eye irritation upon direct contact. No chronic effects on humans are reported.

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:	Not classified (no relevant component) Not
ATE (Oral) of the mixture: ATE	classified (no relevant component) Not
(Dermal) of the mixture:	classified (no relevant component)

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATIC

LD50 (Dermal):	> 3160 mg/kg rabbit
LD50 (Oral):	> 5000 mg/kg Rat
LC50 (Vapour inhalation):	> 4951 mg/m3 RAT 4 HOUR

1-METHOXY-2-PROPANOL

LD50 (Dermal):	13000 mg/kg Rabbit
LD50 (Oral):	4016 mg/kg Rat
LC50 (Vapour inhalation):	54.6 mg/l/4h Rat

SKIN CORROSION / SKIN IRRITATION

Repeated exposure may cause dryness and cracking of the skin.

SERIOUS EYE DAMAGE / EYE IRRITATION

It does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITIZATION

It does not meet the classification criteria for this hazard class

Respiratory sensitization

Information not available

Skin sensitization

Information not available

MUTAGENICITY ON GERM CELLS

It does not meet the classification criteria for this hazard class

CARCINOGENICITY

It does not meet the classification criteria for this hazard class

REPRODUCTION TOXICITY

It does not meet the classification criteria for this hazard class

Harmful effects on sexual function and fertility

Information not available

Harmful effects on the development of offspring

Information not available

Effects on or through breastfeeding

Information not available

SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE

May cause drowsiness or dizziness

Target organs

Information not available

Route of exposure

Information not available

SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE

It does not meet the classification criteria for this hazard class

Target organs

Information not available

Route of exposure

Information not available

DANGER IN CASE OF ASPIRATION

Toxic by aspiration

11.2. Information about other hazards

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

SECTION 12. Ecological information

Use according to good working practices, avoiding dispersing the product into the environment. Notify the competent authorities if the product has reached watercourses or if it has contaminated the soil or vegetation.

12.1. Toxicity

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATIC	
LC50 - Pisces	> 1000 mg/l/96h RAINBOW TROUT
EC50 - Crustaceans	> 1000 mg/l/48h DAPHNIA MAGNA
EC50 - Algae / Aquatic Plants	> 1000 mg/l/72h SCENEDESMUS SUBSPICATUS
Chronic NOEC Fish	> 0.131 mg/l 28 days
Chronic NOEC Crustaceans	> 100 mg/l daphnia 21 days

12.2. Persistence and degradability

1-METHOXY-2-PROPANOL	
Solubility in water	1000 - 10000 mg/l
Rapidly degradable HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATIC	
Rapidly degradable	

12.3. Bioaccumulative potential

1-METHOXY-2-PROPANOL	
Partition coefficient: n-octanol/water	< 1

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATIC	
Partition coefficient: n-octanol/water	> 5 Log Kow

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

Based on available data, the product does not contain PBT or vPvB substances in percentages ≥ 0.1%.

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects

Information not available

SECTION 13. Disposal Considerations

13.1. Waste treatment methods

Reuse if possible. Product residues are to be considered hazardous special waste. The dangerousness of waste that partly contains this product must be assessed based on current legislative provisions.
Disposal must be entrusted to a company authorized to manage waste, in compliance with national and possibly local regulations. Transport of waste may be subject to ÀDR.
CONTAMINATED PACKAGING
Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.

SECTION 14. Transportation Information

14.1. UN number or ID number

ADR/RID, IMDG, IATA:	1263

14.2. Official UN shipping name

ADR / RID:	MATERIALS SIMILAR TO PAINTS
IMDG:	PAINT RELATED MATERIAL
IATA:	PAINT RELATED MATERIAL

14.3. Transport hazard classes

ADR / RID:	Class: 3	Label: 3

IMDG:	Class: 3	Label: 3
IATA:	Class: 3	Label: 3

14.4. Packing group

ADR/RID, IMDG, IATA: III

14.5. Dangers for the environment

ADR / RID:	NO
IMDG:	NO
IATA:	NO

14.6. Special precautions for users

ADR / RID:	HIN - Kemler: 30	Amount Limited: 5 L	Code of restriction in gallery: (D/E)
	Special Arrangement: 163, 367, 650		
IMDG:	EMS: FE,SELF	Amount Limited: 5 L	
IATA:	Cargo:	Amount maximum: 220 L	Instructions Packaging: 366
	Passengers:	Amount maximum: 60 L	Instructions Packaging: 355
	Special Provision:	A3, A72, A192	

14.7. Maritime transport in bulk in accordance with IMO acts

Irrelevant information

SECTION 15. Regulatory Information

15.1. Health, safety and environmental laws and regulations specific to the substance or mixture

Seveso category - Directive 2012/18/EU: P5c

Restrictions relating to the product or substances contained according to Annex XVII Regulation (EC) 1907/2006

Product

Point 3 - 40

Substances contained

Point 75

Regulation (EU) 2019/1148 - relating to the placing on the market and use of explosives precursors

Not applicable

Substances in Candidate List (Art. 59 REACH)

Based on available data, the product does not contain SVHC substances in percentages ≥ 0.1%.

Substances subject to authorization (Annex XIV REACH)

None

Substances subject to export notification requirements Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Sanitary checks

Workers exposed to this chemical agent dangerous to health must be subjected to health surveillance carried out in accordance with the provisions of the art. 41 of Legislative Decree 81 of 9 April 2008 unless the risk to the safety and health of the worker has been assessed as irrelevant, in accordance with the provisions of art. 224 paragraph 2.

Legislative Decree 152/2006 and subsequent amendments

Emissions according to Part V Annex I:

TAB. D	Class 3	09.98%
TAB. D	Class 5	90.02%

Water pollution classification in Germany (AwSV, vom 18. April 2017)

WGK 3: Very dangerous for waters

15.2. Chemical safety assessment

A chemical safety assessment was carried out for the following substances contained:

1-METHOXY-2-PROPANOL

SECTION 16. Other information

Text of the hazard statements (H) mentioned in sections 2-3 of the sheet:

Flam. Liq. 3	Flammable liquid, category 3

Wait. Tox. 1	Aspiration hazard, category 1
STOT IF 3	Specific target organ toxicity - single exposure, category 3 Flammable
H226	liquid and vapour.
H304	It can be lethal if ingested and enters the respiratory tract. May cause
H336	drowsiness or dizziness.
EUH066	Repeated exposure may cause dryness or cracking of the skin.

LEGEND:
- ADR: European Agreement for the transport of dangerous goods by road
- CAS: Chemical Abstract Service Number
- CE: Identification number in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived no-effect level
- EC50: Concentration that gives effect to 50% of the population subject to testing
- EmS: Emergency Schedule
- GHS: Globally Harmonized System for the Classification and Labeling of Chemical Products
- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association
- IC50: Immobilization concentration of 50% of the population subject to testing
- IMDG: International Maritime Code for the Transport of Dangerous Goods
- IMO: International Maritime Organization
- INDEX: Identification number in Annex VI of CLP
- LC50: Lethal concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulating and toxic according to REACH
- PEC: Predictable environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predictable no-effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulations for the international transport of dangerous goods by train
- STA: Acute Toxicity Estimate
- TLV: Threshold limit value
- TLV CEILING: Concentration that must not be exceeded during any moment of occupational exposure.
- TWA: Weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulating according to REACH
- WGK: Aquatic hazard class (Germany).

GENERAL BIBLIOGRAPHY:
1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
3. Regulation (EU) 2020/878 (Annex II of the REACH Regulation)
4. Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)
5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
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 (EU) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (EU) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (EU) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (EU) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (EU) 2021/849 (XVII Atp. CLP)
- The Merck Index. - 10th Edition

- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- NI Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA Agency website
- Database of SDS models of chemical substances - Ministry of Health and Istituto Superiore di Sanità

Note for the user:
The information contained in this sheet is based on the knowledge available to us at the date of the last version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.
This document should not be interpreted as a guarantee of any specific property of the product.
Since the use of the product does not fall under our direct control, it is the user's obligation to observe the laws and regulations in force regarding hygiene and safety under his own responsibility. We do not assume responsibility for improper use.
Provide adequate training to personnel assigned to the use of chemical
products. CLASSIFICATION CALCULATION METHODS
Chemical-physical hazards: The classification of the product was derived from the criteria established by the CLP Regulation Annex I Part 2. The methods of evaluation of the chemical-physical properties are reported in section 9.
Health hazards: Product classification is based on the calculation methods in Annex I of CLP Part 3, unless otherwise indicated in section 11.

Environmental hazards: The classification of the product is based on the calculation methods set out in Annex I of CLP Part 4, unless otherwise indicated in section 12.

Changes compared to the previous revision Changes
have been made to the following sections: 01 / 09.