Licat	a S.p.A.	Revision nr.6 EN Dated 13/06/2025 Brindra on 12/06/2025		
Printed on 13/06/2025 Page n. 1/11 Replaced revision:5 (Date				
	Safety Data Sheet			
A	ccording to Annex II to REACH - Regulation (EU) 2	2020/878		
SECTION 1. Identification of the s	ubstance/mixture and of the comp	bany/undertaking		
1.1. Product identifier				
Code: Product name	P0010 ISOLANTE LG			
1.2. Relevant identified uses of the substance	or mixture and uses advised against			
Intended use	Membership promoter			
1.3. Details of the supplier of the safety data s	heet			
Name Full address District and Country	Licata S.p.A. Via dei Mille 32 00185 Roma Italia Tel. +39 0922 856088 Fax +39 0922 831427	(RM)		
e-mail address of the competent person responsible for the Safety Data Sheet	controllo-qualita@licataspa.it			
1.4. Emergency telephone number				
For urgent inquiries refer to	NHS111in England: 111 NHS24in Scotland: 111 NHS Direct in Wales: 111 or 0845 4647 In an emergency, if the patient has colla	psed or is not breathing properly, call 999		

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to (EU) Regulation 2020/878.

Hazard classification and indication:

2.2. Label elements

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

Hazard pictograms:		
Signal words:		
Hazard statements: EUH210 EUH208	Contains:	sheet available on request. REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) an allergic reaction.
Precautionary statements:		

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%.

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

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification		x = Conc. %	Classification (EC) 1272/2008 (CLP)
REACTION M	ASS OF 5-CHLORO	-2- METHYL-2H-ISOTH	IIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)
INDEX	613-167-00-5	0 < x < 0,0015	Acute Tox. 2 H310, Acute Tox. 2 H330, Acute Tox. 3 H301, Skin Corr. 1C H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=100, EUH071, Classification note according to Annex VI to the CLP Regulation: B
EC	611-341-5		Skin Corr. 1C H314: ≥ 0,6%, Skin Irrit. 2 H315: ≥ 0,06% - < 0,6%, Skin Sens. 1A H317: ≥ 0,0015%, Eye Dam. 1 H318: ≥ 0,6%, Eye Irrit. 2 H319: ≥ 0,06% - < 0,6%
CAS	55965-84-9		LD50 Oral: 64 mg/kg, LD50 Dermal: 87,12 mg/kg, LC50 Inhalation mists/powders: 0,33 mg/l/4h
REACH Reg.	01-2120764691-48		

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

No effects requiring implementation of special first aid measures are expected. The following information represents practical indications of correct behaviour in the event of contact with a chemical product, even if not hazardous.

In case of doubt or in the presence of symptoms contact a doctor and show him this document.

In case of more severe symptoms, ask for immediate medical aid.

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.

SKIN: Take off contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice. Avoid further contact with contaminated clothing.

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.

INHALATION: Remove victim to fresh air, away from the accident scene. Get medical advice/attention.

Rescuer protection

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.

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

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

DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

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

If symptoms occur, whether acute or delayed, consult a doctor.

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

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SECTION 5. Firefighting measures/>>

Choose the most appropriate extinguishing equipment for the specific case. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE The product is neither flammable nor combustible.

5.3. Advice for firefighters

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

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

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

6.2. Environmental precautions

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

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

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. 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

Deutschland

8.1. Control parameters

Regulatory references:

DEU

WirkungDosisNOAELMAK-und BAT-Werte-Liste 2024 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe

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

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE

(3:1))										
Threshold Limit Valu	ue										
Туре (Country	TWA/8h			STEL/15min			Remark	ks / Observa	ations	
		mg/m3	ppm		mg/m3	рр	m				
MAK E	DEU	0,2			0,4			INHAL			
Predicted no-effect	concentra	tion - PNEC									
Normal value in fre	esh water								0,00339	mg/l	
Normal value for fresh water sediment 0,027 mg/kg											
Normal value for marine water sediment 0,027 mg/kg											
Normal value of STP microorganisms 0,23 mg/l											
Normal value for the terrestrial compartment 0,01 mg/kg											
Health - Derived no-	effect leve	I - DNEL / DME	L								
	Effec	ts on consumers	;				Effects c	on workei	rs		
Route of exposure	e Acute	e Acute		Chronic	Chronic		Acute		Acute	Chronic	Chronic
	local	systemic	;	local	systemic		local		systemic	local	systemic
Inhalation									0,04 mg/m3		0,02 mg/m3

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.

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 I 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.

EYE PROTECTION

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

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 B 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.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties Appearance Colour Odour Melting point / freezing point Initial boiling point Flammability Lower explosive limit Upper explosive limit Flash point Auto-ignition temperature Decomposition temperature	Value dense liquid white characteristic not available incombustible not available not available not available not available not available
Decomposition temperature	not available
pH	8,5-10-5

Information

Method:pHmetro Mettler Toledo

SECTION 9. Physical and chemical properties/>>

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Dynamic viscosity 9313 Method: Brookfield Remark:mPa*s Temperature: 20 °C Solubility miscible not available vapour pressure Density and/or relative density 1,28 kg/dm3 Method: Picnometro Temperature: 20 °C Relative vapour density 1,28 kg/dm3 Method: Picnometro Temperature: 20 °C Relative vapour density not available not available Temperature: 20 °C Relative vapour density not available not available Temperature: 20 °C Supplementary information for nanoforms Temperature: 20 °C MINEMA 1-2-44 Shape 1: D50 5 µm Crystallinity Crystalline structure 1: Surface functionalisation / treatment Surface treatments 1: 5 µm 9.2. Other information 9.2.1. Information with regard to physical hazard classes Flammable liquids Sustained combustibility does not sustain combustion 9.2.2. Other safety characteristics VOC (Directive 2010/75/EU) 0,04 % - 0,56 g/litre			Temperature: 20 °C
Solubility miscible Temperature: 20 °C Partition coefficient: n-octanol/water not available not available Density and/or relative density 1,28 kg/dm3 Method:Picnometro Relative vapour density not available Temperature: 20 °C Particle characteristics not available Temperature: 20 °C Supplementary information for nanoforms Temperature: 20 °C MINEMA 1-2-44 Shape 1: D50 5 μm Crystallinity Transcription 5 jm Crystalline structure 1: Surface functionalisation / treatment Surface freatments 1: 9.2.0 Other information 9.2.1. Information does not sustain combustion 9.2.1. Information with regard to physical hazard classes Flammable liquids does not sustain combustion 9.2.1. Other safety characteristics voc (Directive 2010/75/EU) 0,04 % - 0,56 g/itre	Kinematic viscosity	not available	MathadiProakfield
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Relative vapour density Particle characteristics not available not available not available Temperature: 20 °C Supplementary information for nanoforms Image: Comparison of the composition			
Relative vapour density Particle characteristics not available not applicable Supplementary information for nanoforms MINEMA 1-2-44 Shape 1: D50 5 D50 5 Crystallinity Crystalline structure 1: Surface functionalisation / treatment Surface treatments 1: 9.2. Other information 9.2.1. Information with regard to physical hazard classes Flammable liquids Sustained combustibility does not sustain combustion 9.2.2. Other safety characteristics VOC (Directive 2010/75/EU) 0,04 % - 0,56	Density and/or relative density	1,28 kg/dm3	
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9.2.1. Information with regard to physical hazard classes Flammable liquids Sustained combustibility does not sustain combustion 9.2.2. Other safety characteristics VOC (Directive 2010/75/EU) 0,04 % - 0,56 g/litre			
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VOC (Directive 2010/75/EU) 0,04 % - 0,56 g/litre			
	9.2.2. Other safety characteristics		
	1/0C (Directive 2010/75/ELL)	0.04 % = 0.56 a/litro	
		0,04 /0 - 0,00 g/liue	
SECTION 10. Stability and reactivity	SECTION 10. Stability and reactivit	V	
		,	

10.1. Reactivity

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

CALCIUM CARBONATE

Decomposes at temperatures above 800°C/1472°F.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials

CALCIUM CARBONATE Incompatible with: acids.

10.6. Hazardous decomposition products

CALCIUM CARBONATE May develop: calcium oxides,carbon oxides.

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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

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

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture: ATE (Oral) of the mixture: ATE (Dermal) of the mixture:

> **MINEMA 1-2-44** LD50 (Dermal): LD50 (Oral): LC50 (Inhalation mists/powders):

CALCIUM CARBONATE LD50 (Dermal): LD50 (Oral): LC50 (Inhalation mists/powders):

TITANIUM DIOXIDE LD50 (Dermal): LD50 (Oral): LC50 (Inhalation vapours):

Not classified (no significant component) Not classified (no significant component) Not classified (no significant component)

> 2000 mg/kg Ratto > 2000 mg/kg Ratto > 3 mg/l/4h Ratto

2000 mg/kg Rat 2000 mg/kg Rat 3 mg/l Rat

> 10000 mg/kg Coniglio > 5000 mg/kg Ratto > 6,82 mg/l/4h Ratto

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) LD50 (Dermal): 87,12 mg/kg Rabbit 64 mg/kg Rat LD50 (Oral): LC50 (Inhalation mists/powders): 0,33 mg/l/4h Rat

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction. Contains: REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

GERM CELL MUTAGENICITY

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SECTION 11. Toxicological information ... / >>

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

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

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

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

MINEMA 1-2-44 LC50 - for Fish	> 100 mg/l/96h
Chronic NOEC for Algae / Aquatic Plants	> 14 mg/l
CALCIUM CARBONATE	14
EC50 - for Algae / Aquatic Plants EC10 for Algae / Aquatic Plants	14 mg/l/72h 14 mg/l/72h
Chronic NOEC for Algae / Aquatic Plants	14 mg/l
Chionic NOEC for Algae / Aqualic Flants	r4 mg/r
TITANIUM DIOXIDE	
LC50 - for Fish	> 1000 mg/l/96h
EC50 - for Crustacea	> 1000 mg/l/48h Pulce d'acqua grande
EC50 - for Algae / Aquatic Plants	> 10000 mg/l/72h Alghe cloroficee
EC10 for Algae / Aquatic Plants	12,7 mg/l/72h
Chronic NOEC for Algae / Aquatic Plants	5600 mg/l
LC50 - for Fish	OTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)
EC50 - for Crustacea	0,19 mg/l/96h 0,16 mg/l/48h
EC50 - for Algae / Aquatic Plants	0,037 mg/l/72h
Chronic NOEC for Fish	0.0464 mg/l
Chronic NOEC for Crustacea	0,1 mg/l
Chronic NOEC for Algae / Aquatic Plants	0,0012 mg/l
	0,00 12 mg/
12.2. Persistence and degradability	
MINEMA 1-2-44	
Solubility in water	50.05 mg/l 0.1-100
Degradability: information not available	Sostanza inorganica
CALCIUM CARBONATE	
Solubility in water	16,6 mg/l
Degradability: information not available	Sostanza inorganica

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SECTION 12. Ecological information ... / >>

TITANIUM DIOXIDE Degradability: information not available	Sostanza inorganica		
REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) NOT rapidly degradable <50%			
12.3. Bioaccumulative potential			
REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)Partition coefficient: n-octanol/water< 0,71 Log Kow Metodo HPLCBCF3,16			
12.4. Mobility in soil			
Information not available			
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 ≥ 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

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. 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. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number or ID number

not applicable

14.2. UN proper shipping name

not applicable

14.3. Transport hazard class(es)

not applicable

14.4. Packing group

not applicable

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14.5. Environmental hazards

not applicable

14.6. Special precautions for user

not applicable

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:

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

None

Contained substance Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors not applicable

Substances in Candidate List (Art. 59 REACH) On the basis of available data, the product does not contain any SVHC in percentage \geq than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012: None

Substances subject to the Rotterdam Convention: None

Substances subject to the Stockholm Convention: None

Healthcare controls Information not available

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

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

Acute Tox. 2	Acute toxicity, category 2
Acute Tox. 3	Acute toxicity, category 3
Skin Corr. 1C	Skin corrosion, category 1C
Skin Corr. 1	Skin corrosion, category 1
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1A	Skin sensitization, category 1A
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
H310	Fatal in contact with skin.
H330	Fatal if inhaled.
H301	Toxic if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

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SECTION 16. Other information ... / >>

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.
EUH210	Safety data sheet available on request.

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: Verv persistent and verv 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)

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SECTION 16. Other information ... / >>

27. Delegated Regulation (UE) 2024/2564 (XXII Atp. CLP)

- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- 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 / 08 / 09 / 10 / 11 / 12 / 13 / 16.