**RE-23** 

Revision nr.1 Dated 14/04/2025 First compilation Printed on 14/04/2025 Page n. 1 / 12

# **Safety Data Sheet**

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

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

1.1. Product identifier

Product name RE-23

UFI: E200-U0CW-600H-QND3

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

Intended use Wall treatment

1.3. Details of the supplier of the safety data sheet

Name ITALMONT S.R.L.
Full address VIA IV NOVEMBRE 13

District and Country 63078 Spinetoli (AP)

**ITALMONT S.R.L.** 

**ITALIA** 

Tel. +39 0736 899238 Fax +39 0736 899489

e-mail address of the competent person

responsible for the Safety Data Sheet info@italmont.it

1.4. Emergency telephone number

Supplier:

For urgent inquiries refer to UE general number - 112 (Available 24h. Safety Data Sheets or Product information

could not available for emergency service)

# **SECTION 2. Hazards identification**

### 2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878

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

Hazard classification and indication:

Skin sensitization, category 1A H317 May cause an allergic skin reaction.
Hazardous to the aquatic environment, chronic H411 Toxic to aquatic life with long lasting effects.

toxicity, category 2

## 2.2. Label elements

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

Hazard pictograms:





Signal words: Warning

Hazard statements:

H317 May cause an allergic skin reaction.H411 Toxic to aquatic life with long lasting effects.

# **RE-23**

Revision nr.1 Dated 14/04/2025 First compilation Printed on 14/04/2025 Page n. 2 / 12

### SECTION 2. Hazards identification .../>>

**EUH071** Corrosive to the respiratory tract.

Precautionary statements:

**P280** Wear protective gloves.

**P273** Avoid release to the environment.

P391 Collect spillage.

P501 Dispose of the product / container in accordance with local and national provisions

P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

Contains: 2-OCTYL-2H-ISOTHIAZOL-3-ONE

#### 2.3. Other hazards

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

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

# **SECTION 3. Composition/information on ingredients**

#### 3.2. Mixtures

Contains:

Identification Conc. % Classification (EC) 1272/2008 (CLP)

**DIETHYLENE GLYCOL** 

 INDEX
 603-140-00-6
 1.6
 Acute Tox. 4 H302

 EC
 203-872-2
 ATE Oral: 500 mg/kg

CAS 111-46-6
Quaternary ammonium compounds, benzyl-C12-14-alkyldimethyl, chlorides

INDEX 0.48 Acute Tox. 4 H302, Skin Corr. 1B H314, Eye Dam. 1 H318, Aquatic Acute 1

H400 M=10, Aquatic Chronic 1 H410 M=1

EC 287-089-1 LD50 Oral: 795 mg/kg

CAS 85409-22-9

2-OCTYL-2H-ISOTHIAZOL-3-ONE

INDEX 613-112-00-5 0.16 Acute Tox. 2 H330, Acute Tox. 3 H301, Acute Tox. 3 H311, Skin Corr. 1 H314,

Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=100,

Aquatic Chronic 1 H410 M=100, EUH071

EC 247-761-7 Skin Sens. 1A H317: ≥ 0.0015%

CAS 26530-20-1 LD50 Oral: 125 mg/kg, LD50 Dermal: 311 mg/kg, LC50 Inhalation

mists/powders: 0.27 mg/l/4h

REACH Reg. Biocida

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

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 immediately all contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice/attention. 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

# **RE-23**

Revision nr.1 Dated 14/04/2025 First compilation Printed on 14/04/2025 Page n. 3 / 12

### SECTION 4. First aid measures .../>>

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 skin irritation or rash occurs: Get medical advice / attention.

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

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

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

Do not breathe combustion products.

#### 5.3. Advice for firefighters

### **GENERAL INFORMATION**

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

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

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

#### **SECTION 6. Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

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

# 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.

**RE-23** 

Revision nr.1 Dated 14/04/2025 First compilation Printed on 14/04/2025 Page n. 4 / 12

# **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**

#### 8.1. Control parameters

Regulatory references:

DEU Deutschland Forschungsgemeinschaft MAK- und BAT-Werte-Liste 2022 Ständige Senatskommission zur

Prüfung gesundheitsschädlicher Arbeitsstoffe Mitteilung 58

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 România Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru

modificarea și completarea hotărârii guvernului nr. 1.093/2006

GBR United Kingdom EH40/2005 Workplace exposure limits (Fourth Edition 2020)

DIETHYLENE GLYCOL									
Threshold Limit Value									
STEL/15min		Remarks / Observations							
m mg/m3	ppm								
176	40	11							
176	40								
		INHAL							
5 800	184								
3									
1	STEL/15min m mg/m3 0 176 0 176	STEL/15min m mg/m3 ppm 0 176 40 0 176 40							

2-OCTYL-2H-ISOTHIAZOL-3-ONE							
Threshold Lin	nit Value						
Type	Country	TWA/8h		STEL/15mi	n	Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm		
AGW	DEU	0.05		0.1		INHAL	
AGW	DEU	0.05		0.1		SKIN	
MAK	DEU	0.05		0.1		INHAL	
MAK	DEU	0.05		0.1		SKIN	

# **RE-23**

Revision nr.1 Dated 14/04/2025 First compilation Printed on 14/04/2025 Page n. 5 / 12

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

		ernary ammoniu	im compounds	s, benzyl-C12-1	4-alkyldimetl	nyl, chlorides		
dicted no-effect cor	ncentration	- PNEC						
Normal value in fresh water					0.0009	mg/l		
Normal value in marine water					0.00096	mg/l		
Normal value for fresh water sediment					12.27	mg/kg		
Normal value for marine water sediment						13.09	mg/kg	
Normal value for water, intermittent release					0.00016	mg/l		
Normal value of STP microorganisms					0.4	mg/l		
Normal value for the terrestrial compartment						7	mg/kg	
ealth - Derived no-eff	ect level - [	ONEL / DMEL						
	Effects on consumers Effects				Effects on v	vorkers		
Route of exposure	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Oral								3,4
								mg/kg
								bw/d
Inhalation				1,64				3,96
				mg/m3				mg/m3
Skin				3,4				5,7
				mg/kg bw/d				mg/kg
								bw/d

#### Legend:

(C) = CEILING; INHAL = Inhalable Fraction; RESP = Respirable Fraction; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low

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

#### 8.2. Exposure controls

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

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

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

Provide an emergency shower with face and eye wash station.

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

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.

Protect your hands with gloves of the following type:

Material: Nitrile rubber (NBR)

The following should be considered when choosing work glove material: compatibility, degradation, permeability time.

Thickness: 3 mm

Glove thickness must be selected based on the minimum required breakthrough time.

Breakthrough time: 30 min

Glove resistance depends on various elements, such as temperature and other environmental factors.

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.

**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 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.

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

# **RE-23**

Revision nr.1 Dated 14/04/2025 First compilation Printed on 14/04/2025 Page n. 6 / 12

Information

Method:ph meter

# **SECTION 9. Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

**Properties** Value Appearance liquid Colour colourless

Odour mild Melting point / freezing point not available

Initial boiling point 100 °C Substance:WATER Initial 100 °C boiling point:

°C

Flammability not flammable Lower explosive limit not available Upper explosive limit not available Flash point 60 Auto-ignition temperature not available

Decomposition temperature not available

1,004 mm2/s Kinematic viscosity Solubility not available

Partition coefficient: n-octanol/water not available Vapour pressure not available

Density and/or relative density

Method:pycnometer Relative vapour density not available Particle characteristics not applicable

#### 9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

Information not available

# **SECTION 10. Stability and reactivity**

# 10.1. Reactivity

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

# 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

Information not available

# 10.6. Hazardous decomposition products

Information not available

# **RE-23**

Revision nr.1 Dated 14/04/2025 First compilation Printed on 14/04/2025 Page n. 7 / 12

# **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 - mists / powders) of the mixture: > 5 mg/l
ATE (Oral) of the mixture: >2000 mg/kg
ATE (Dermal) of the mixture: >2000 mg/kg

Corrosive to the respiratory tract.

DIETHYLENE GLYCOL

LD50 (Dermal): 11890 mg/kg Rabbit LD50 (Oral): 12565 mg/kg Rat

ATE (Oral): 500 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)

2-OCTYL-2H-ISOTHIAZOL-3-ONE

 LD50 (Dermal):
 311 mg/kg

 LD50 (Oral):
 125 mg/kg Rat

 LC50 (Inhalation mists/powders):
 0.27 mg/l/4h Rat

Quaternary ammonium compounds, benzyl-C12-14-alkyldimethyl, chlorides

LD50 (Dermal): 3412 mg/kg LD50 (Oral): 795 mg/kg

# 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

Sensitising for the skin

### GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

# CARCINOGENICITY

Does not meet the classification criteria for this hazard class

# **RE-23**

Revision nr.1 Dated 14/04/2025 First compilation Printed on 14/04/2025 Page n. 8 / 12

# SECTION 11. Toxicological information .../>>

#### 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**

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

### 12.1. Toxicity

2-OCTYL-2H-ISOTHIAZOL-3-ONE

EC50 - for Algae / Aquatic Plants 0.00129 mg/l/72h Navicula pelliculosa EC10 for Algae / Aquatic Plants 0.000224 mg/l/72h Navicula pelliculosa

Quaternary ammonium compounds, benzyl-C12-14-alkyldimethyl, chlorides LC50 - for Fish 0.515 mg/l/96h EC50 - for Crustacea 0.016 mg/l/48h EC50 - for Algae / Aquatic Plants 0.03 mg/l/72h Chronic NOEC for Fish 0.0322 mg/l Chronic NOEC for Crustacea 0.0125 mg/l Chronic NOEC for Algae / Aquatic Plants 0.0025 mg/l

### 12.2. Persistence and degradability

DIETHYLENE GLYCOL

Solubility in water 1000 - 10000 mg/l

Rapidly degradable

2-OCTYL-2H-ISOTHIAZOL-3-ONE

Solubility in water 500 mg/l

NOT rapidly degradable

## 12.3. Bioaccumulative potential

DIETHYLENE GLYCOL

Partition coefficient: n-octanol/water -1.98 BCF 100

2-OCTYL-2H-ISOTHIAZOL-3-ONE

Partition coefficient: n-octanol/water 2.61 BCF 19.21

#### 12.4. Mobility in soil

2-OCTYL-2H-ISOTHIAZOL-3-ONE

Partition coefficient: soil/water 2.25

#### 12.5. Results of PBT and vPvB assessment

# **RE-23**

Revision nr.1 Dated 14/04/2025 First compilation Printed on 14/04/2025 Page n. 9 / 12

### SECTION 12. Ecological information .../>>

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. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

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**

#### 14.1. UN number or ID number

ADR / RID, IMDG, IATA: UN 3082

ADR / RID: In accordance with Special Provision 375, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not

submitted to ADR provisions.

IMDG: In accordance with Section 2.10.2.7 of IMDG Code, this product, when is packed in receptacles of a capacity  $\leq$  5Kg or

5L, is not submitted to IMDG Code provisions.

IATA: In accordance with SP A197, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not submitted to

IATA dangerous goods regulations.

### 14.2. UN proper shipping name

ADR / RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quaternary ammonium compounds,

benzyl-C12-14-alkyldimethyl, chlorides, 2-OCTYL-2H-ISOTHIAZOL-3-ONE)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quaternary ammonium compounds,

benzyl-C12-14-alkyldimethyl, chlorides; 2-OCTYL-2H-ISOTHIAZOL-3-ONE)

IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quaternary ammonium compounds,

benzyl-C12-14-alkyldimethyl, chlorides; 2-OCTYL-2H-ISOTHIAZOL-3-ONE)

# 14.3. Transport hazard class(es)

ADR / RID: Class: 9 Label: 9

IMDG: Class: 9 Label: 9

IATA: Class: 9 Label: 9

#### 14.4. Packing group

ADR / RID, IMDG, IATA: III

# **RE-23**

Revision nr.1 Dated 14/04/2025 First compilation Printed on 14/04/2025 Page n. 10 / 12

### **SECTION 14. Transport information** .../>>

#### 14.5. Environmental hazards

ADR / RID: Environmentally Hazardous

IMDG: Marine Pollutant

IATA: Environmentally Hazardous



### 14.6. Special precautions for user

ADR / RID: HIN - Kemler: 90 Limited Quantities: 5 lt Tunnel restriction code: (-)

Special provision: 274, 335, 375, 601

IMDG: EMS: F-A, S-F Limited Quantities: 5 lt

IATA: Cargo: Maximum quantity: 450 L Packaging instructions: 964
Passengers: Maximum quantity: 450 L Packaging instructions: 964
Packaging instructions: 964

Special provision: A97, A158, A197, A215

#### 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: E2

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

Product
Point 3
Contained substance

Point 75 DIETHYLENE GLYCOL

Point 75 2-OCTYL-2H-ISOTHIAZOL-3-ONE

REACH Reg.: Biocida

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 ≥ 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

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

### 15.2. Chemical safety assessment

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

# **RE-23**

Revision nr.1 Dated 14/04/2025 First compilation Printed on 14/04/2025 Page n. 11 / 12

# **SECTION 16. Other information**

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

Acute Tox. 2
Acute Tox. 3
Acute Tox. 4
Skin Corr. 1B
Skin Corr. 1
Skin Sens. 1A
Acute toxicity, category 2
Acute toxicity, category 3
Acute toxicity, category 4
Skin corrosion, category 1B
Skin corrosion, category 1
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
Aquatic Chronic 2 Hazardous to the aquatic environment, chronic toxicity, category 2

H330Fatal if inhaled.H301Toxic if swallowed.H311Toxic in contact with skin.H302Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

**H317** May cause an allergic skin reaction.

**H400** Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.H411 Toxic to aquatic life with long lasting effects.

**EUH071** Corrosive to the respiratory tract.

#### 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

# **RE-23**

Revision nr.1 Dated 14/04/2025 First compilation Printed on 14/04/2025 Page n. 12 / 12

### SECTION 16. Other information .../>>

- 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
- 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