Safety Data Sheet

According to Annex II to REACH - Regulation 2020/878

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name	Window (colored on filled base)

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

Intended use
Neutral silicone-based sealant

1.3 Details of the supplier of the safety data sheet

Company name	TORGGLER S.R.L.
Full address	Via Prati Nuovi 9
Town	Marlengo
Postal code	39020
Province	BZ
Country	Italy
Phone number	+39 0473 282400
Fax	+39 0473 282501
e-mail address of the competent person responsible for the Safety Data Sheet	reach@torggler.com

1.4 Emergency telephone number

For urgent inquiries refer to	+39 348 662 70 93 (08.00 - 17.30)

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) (and subsequent amendments and supplements).
However, since the product contains hazardous substances in concentrations such as to be declared in section 3, it requires a safety data sheet with appropriate information, compliant to (EU) Regulation 2020/878.

Hazard classification
None

2.2 Label elements

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

Hazard pictograms
None

Signal word
None

Hazard statements
None

Precautionary statements
None

Supplementary hazard statements	
EUH208	Contains ▪ 2-octyl-2H-isothiazol-3-one ▪ N-(3-(trimethoxysilyl)propyl)ethylenediamine ▪ trimethoxyvinylsilane. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

Contains biocides. Contains 2-octyl-2H-isothiazol-3-one (OIT) CAS No. 26530-20-1 for antimicrobical protection of the cured sealant.

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%.

The product hydrolyses with formation of methanol (CAS 67-56-1). Methanol is classified in terms of both physical danger and as a health hazard. The speed of hydrolysis and therefore also the relevance for the hazardous level of the product greatly depend on the specific conditions.

Section 3 Composition/information on ingredients

3.2 Mixtures

N-(3-(trimethoxysilyl)propyl)ethylenediamine

Concentration	0.5 ≤ x < 1 %
CAS number	1760-24-3
EC number	217-164-6
Registration Number	01-2119970215-39-xxxx
Hazard classification	▪ Skin Sens. 1; H317 ▪ Eye Dam. 1; H318 ▪ STOT SE 3; H335

trimethoxyvinylsilane

Concentration	0.46 ≤ x < 0.72 %
CAS number	2768-02-7
EC number	220-449-8
INDEX number	014-049-00-0
Registration Number	01-2119513215-52-xxxx
Hazard classification	▪ Flam. Liq. 3; H226 ▪ Skin Sens. 1B; H317 ▪ Acute Tox. 4; H332

METHANOL

Concentration	0.00181 ≤ x < 0.0078 %
CAS number	67-56-1
EC number	200-659-6
INDEX number	603-001-00-X
Registration Number	01-2119433307-44-xxxx
Hazard classification	▪ Flam. Liq. 2; H225 ▪ Acute Tox. 3; H301 ▪ Acute Tox. 3; H311 ▪ Acute Tox. 3; H331 ▪ STOT SE 1; H370
Specific concentration limits	▪ STOT SE 2; H371: ≥ 3 %
Substance with a community workplace exposure limit.	

2-octyl-2H-isothiazol-3-one

Concentration	0.00115 ≤ x < 0.0015 %
CAS number	26530-20-1
EC number	247-761-7

INDEX number	613-112-00-5
Hazard classification	▪ Acute Tox. 3; H301 ▪ Acute Tox. 3; H311 ▪ Skin Corr. 1; H314 ▪ Skin Sens. 1A; H317 ▪ Eye Dam. 1; H318 ▪ Acute Tox. 2; H330 ▪ Aquatic Acute 1; H400 ▪ Aquatic Chronic 1; H410
M Factor (acute)	100
M Factor (chronic)	100
Specific concentration limits	▪ Skin Sens. 1A; H317: ≥ 0.0015 %
Additional classification	EUH071

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.

Rescuers 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.

4.3 Indication of any immediate medical attention and special treatment needed

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

Treat symptomatically. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

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.

Section 7 Handling and storage

7.1 Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

7.2 Conditions for safe storage, including any incompatibilities

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

Storage class TRGS 510 (Germany)
None

Applicable technical instruction according to Royal Decree 656/2017:

Section 7

Classification	Storage in fixed containers	Storage in mobile containers
	MIE APQ-1 – Storage of flammable and combustible liquids in fixed containers	Not applicable
Respect the joint storage conditions established in Royal Decree 656/2017.		

7.3 Specific end use(s)

Adhesives and/or sealants.

Section 8 Exposure controls/personal protection

8.1 Control parameters

Regulatory references	
ACGIH	ACGIH 2026
European Union-OEL	Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.
Ireland-OELV	2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019)
Malta-TLV	PROTECTION OF THE HEALTH AND SAFETY OF WORKERS FROM THE RISKS RELATED TO CHEMICAL AGENTS AT WORK REGULATIONS (S.L.424.24). PROTECTION OF WORKERS FROM THE RISKS RELATED TO EXPOSURE TO CARCINOGENS OR MUTAGENS AT WORK REGULATIONS (S.L.424.22)

2-octyl-2H-isothiazol-3-one

Predicted no-effect concentration - PNEC	
Normal value in fresh water	0.0022 mg/l
Normal value for fresh water sediment	0.0475 mg/kg/d
Normal value in marine water	0.00022 mg/l
Normal value for marine water sediment	0.00475 mg/kg/d
Normal value for the terrestrial compartment	0.0082 mg/kg/d
Normal value for water, intermittent release	0.00122 mg/l

METHANOL

	TWA		STEL		CEILING		Remarks	
	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm		
ACGIH	262	200	328	250			Skin	
European Union-OEL	260	200					Skin	
European Union-OEL	260	200					--	
Ireland-OELV	260	200					Skin	
Malta-TLV	260	200					Skin	

Predicted no-effect concentration - PNEC	
Normal value of STP microorganisms	100 mg/l
Normal value in fresh water	154 mg/l
Normal value for fresh water sediment	570.4 mg/kg
Normal value in marine water	15.4 mg/l
Normal value for the terrestrial compartment	23.5 mg/kg
Normal value for water, intermittent release	1,540 mg/l

Health - Derived no-effect level - DNEL / DMEL	Local effect	Systemic effect
Workers, short-term, dermal	Not available	40 mg/kg/d
Workers, short-term, inhalation	260 mg/m³	260 mg/m³
Workers, long-term, dermal	Not available	40 mg/kg/d

Health - Derived no-effect level - DNEL / DMEL	Local effect	Systemic effect
Workers, long-term, inhalation	260 mg/m³	260 mg/m³

N-(3-(trimethoxysilyl)propyl)ethylenediamine

Predicted no-effect concentration - PNEC	
Normal value of STP microorganisms	25 mg/l
Normal value in fresh water	0.062 mg/l
Normal value for fresh water sediment	0.22 mg/kg/d
Normal value in marine water	0.0062 mg/l
Normal value for marine water sediment	0.022 mg/kg/d
Normal value for the terrestrial compartment	0.0085 mg/kg/d
Normal value for water, intermittent release	0.62 mg/l

Health - Derived no-effect level - DNEL / DMEL	Local effect	Systemic effect
Consumers, short-term, inhalation	4 mg/m³	
Consumers, long-term, inhalation	0.1 mg/m³	
Workers, short-term, inhalation	5.36 mg/m³	
Workers, long-term, inhalation	0.6 mg/kg	

trimethoxyvinylsilane

Predicted no-effect concentration - PNEC	
Normal value of STP microorganisms	6.6 mg/l
Normal value in fresh water	0.4 mg/l
Normal value for fresh water sediment	1.5 mg/kg/d
Normal value in marine water	0.04 mg/l
Normal value for marine water sediment	0.15 mg/kg/d
Normal value for the terrestrial compartment	0.06 mg/kg/d
Normal value for water, intermittent release	2.4 mg/l

Health - Derived no-effect level - DNEL / DMEL	Local effect	Systemic effect
Consumers, long-term, dermal		7.8 mg/kg bw/d
Consumers, long-term, inhalation		18.9 mg/m³
Consumers, long-term, oral		0.3 mg/kg bw/d
Workers, long-term, dermal		3.9 mg/kg bw/d
Workers, long-term, inhalation		27.6 mg/m³

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing
Methanol (CAS 67-56-1): (EU) TWA: 200 ppm

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.
When choosing risk management measures and operating conditions, consult the exposure scenarios attached.

HAND PROTECTION
Protect hands with category III work gloves (see standard EN 374).
The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.
The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION
Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344/EN ISO 13034).
Wash body with soap and water after removing protective clothing.

Section 8

EYE PROTECTION
Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION
If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, wear a mask with a type AX filter, whose limit of use will be defined by the manufacturer (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.
Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.
If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

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

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	pasty liquid	
Colour	various	
Odour	characteristic	
Odour threshold	Not applicable	
Melting point / freezing point	Not available	
Initial boiling point	> 35 °C (> 95 °F)	
Flammability	Not applicable	
Lower explosive limit	Not available	
Upper explosive limit	Not available	
Flash point	> 60 °C (> 140 °F)	
Auto-ignition temperature	Not available	
Decomposition temperature	Not available	
pH	not soluble in water	
Kinematic viscosity	> 20.5 mm^2/s	
Solubility	insoluble	
Partition coefficient: n-octanol/water	Not available	
Vapour pressure	Not available	
Density and/or relative density	1.283 g/ml	
Relative vapour density	Not available	

Particle characteristics

Information not available.

9.2 Other information

9.2.1 Information with regard to physical hazards

Information not available.

9.2.2 Other safety characteristics

Total solids	41.57 %	Temperature: 250 °C (482 °F)
VOC (Directive 2010/75/EU)	36.51 % – 468 g/l	
Kinematic viscosity (40 °C)	>0.5 m2/s	

Section 10 Stability and reactivity

10.1 Reactivity

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

Product cures with moisture.

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.

N-(3-(trimethoxysilyl)propyl)ethylenediamine

Avoid exposure to: heat, naked flames, moisture, ignition sources

10.5 Incompatible materials

N-(3-(trimethoxysilyl)propyl)ethylenediamine

Avoid contact with: water, acids, bases

10.6 Hazardous decomposition products

None under normal use conditions. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

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

11.1.1 Metabolism, toxicokinetics, mechanism of action and other information

Information not available.

11.1.2 Information on likely routes of exposure

METHANOL

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

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

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).

11.1.4 Interactive effects

Information not available.

11.1.5 ACUTE TOXICITY

2-octyl-2H-isothiazol-3-one

LD50 (Oral):	125 mg/kg	Species/guidelines: Rat
LD50 (Dermal):	311 mg/kg	
LC50 (Inhalation mists/powders):	0.27 mg/l	Exposure duration: 4 hours Species/guidelines: Rat

METHANOL

LC50 (Inhalation vapours):	> 87.6 mg/l	Exposure duration: 4 hours Species/guidelines: Rat
ATE (Oral)	100 mg/kg	estimate from table 3.1.2 of Annex I of the CLP
ATE (Dermal)	300 mg/kg	estimate from table 3.1.2 of Annex I of the CLP
ATE (Inhalation - vapours)	3 mg/l	estimate from table 3.1.2 of Annex I of the CLP

N-(3-(trimethoxysilyl)propyl)ethylenediamine

LD50 (Oral):	2,995 mg/kg	Species/guidelines: Rat
LD50 (Dermal):	> 2,000 mg/kg	Species/guidelines: Rat
LC50 (Inhalation vapours):	1.49 mg/l	Exposure duration: 4 hours Species/guidelines: Rat (aerosol 4h)

trimethoxyvinylsilane

LD50 (Oral):	6,899 mg/kg	Species/guidelines: Rat
LD50 (Dermal):	3,158 mg/kg	Species/guidelines: Rabbit
LC50 (Inhalation vapours):	2,773	Exposure duration: 4 hours Species/guidelines: Rat
ATE (Inhalation - vapours)	11 mg/l	estimate from table 3.1.2 of Annex I of the CLP

11.1.6 SKIN CORROSION/IRRITATION

Does not meet the classification criteria for this hazard class

11.1.7 SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

11.1.8 RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

11.1.9 GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

11.1.10 CARCINOGENICITY

Does not meet the classification criteria for this hazard class

11.1.11 REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

11.1.12 STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

11.1.13 STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

11.1.14 ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class
Viscosity:

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

2-octyl-2H-isothiazol-3-one

EC10 for Algae / Aquatic Plants	0.00022 mg/l	Exposure duration: 72 hours Species/guidelines: Navicula pelliculosa
EC50 - for Crustacea	0.42 mg/l	Exposure duration: 48 hours Species/guidelines: Daphnia magna (OECD 202)
LC50 - for Fish	0.036 mg/l	Exposure duration: 96 hours Species/guidelines: Oncorhynchus mykiss (OECD 203)
EC50 - for Algae / Aquatic Plants	0.084 mg/l	Exposure duration: 72 hours Species/guidelines: Desmodesmus subspicatus (OECD 201)
Chronic NOEC for Fish	0.022 mg/l	Species/guidelines: Oncorhynchus mykiss (OECD 210) / 28 d
Chronic NOEC for Crustacea	0.002 mg/l	Species/guidelines: Daphnia magna (OECD 211) / 21 d
Chronic NOEC for Algae / Aquatic Plants	0.00068 mg/l	Species/guidelines: Skeletonema costatum (OECD 201) / 72 h

METHANOL

EC50 - for Crustacea	> 10,000 mg/l	Exposure duration: 48 hours Species/guidelines: Daphnia magna
LC50 - for Fish	15,400 mg/l	Exposure duration: 96 hours Species/guidelines: Lepomis macrochirus

N-(3-(trimethoxysilyl)propyl)ethylenediamine

EC50 - for Crustacea	81 mg/l	Exposure duration: 48 hours Species/guidelines: Daphnia magna
LC50 - for Fish	597 mg/l	Exposure duration: 96 hours Species/guidelines: Danio rerio
EC50 - for Algae / Aquatic Plants	8.8 mg/l	Exposure duration: 72 hours Species/guidelines: Desmodesmus subspicatus
Chronic NOEC for Fish	344 mg/l	Species/guidelines: Danio rerio
Chronic NOEC for Crustacea	35 mg/l	Species/guidelines: Daphnia magna
Chronic NOEC for Algae / Aquatic Plants	1.6 mg/l	Species/guidelines: Pseudokirchneriella subcapitata

trimethoxyvinylsilane

EC50 - for Crustacea	168.7 mg/l	Exposure duration: 48 hours Species/guidelines: Daphnia magna
LC50 - for Fish	191 mg/l	Exposure duration: 96 hours Species/guidelines: Oncorhyncus mykiss
EC50 - for Algae / Aquatic Plants	89 mg/l	Exposure duration: 72 hours Species/guidelines: Selenestrum capricornutum
Chronic NOEC for Fish	100 mg/l	Species/guidelines: Oncorhynchus mykiss
Chronic NOEC for Crustacea	28 mg/l	Species/guidelines: Daphnia magna

12.2 Persistence and degradability

2-octyl-2H-isothiazol-3-one

Solubility in water	500 mg/l	
Degradability	Inherently degradable	

METHANOL

Solubility in water	1,000 ≤ x ≤ 10,000 mg/l	
Degradability	Rapidly degradable	

N-(3-(trimethoxysilyl)propyl)ethylenediamine

Degradability	NOT rapidly degradable	

trimethoxyvinylsilane

Degradability	NOT rapidly degradable	

12.3 Bioaccumulative potential

2-octyl-2H-isothiazol-3-one

Bioconcentration factor	19.21
Partition coefficient n-octanol/water	2.92 LogKow

METHANOL

Bioconcentration factor	0.2
Partition coefficient n-octanol/water	-0.77 LogKow

12.4 Mobility in soil

2-octyl-2H-isothiazol-3-one

Partition coefficient soil/water	0.352 LogKoc

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

EWC: 080410.

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.

Directive 2008/98/EC (waste)

For the disposal of waste from this material, the hazard characteristics shall be assessed in accordance with Directive 2008/98/EC. Any transboundary shipment must comply with Regulation (EU) 2024/1157.

Hazardous waste classification - Reg. (UE) 1357/2014

None

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

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

Section 15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EU:

None

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

	Restrictions	Registration Number EU
Product restrictions	40	
Contained substance		
	75	
Dioctyltin oxide	20	01-2119971268-27-xxxx

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

Not applicable

Substances in Candidate List (Art. 59 REACH)	Registration Number EU
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)	Authorisation Number	Sunset date	Registration Number EU
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

Regulation (EU) 2019/1021 - on persistent organic pollutants

None

Regulation (EU) 2024/590 – Substances that deplete the ozone layer

Annex I. Contains:	Annex II. Contains:
None	None

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017)

WGK2 – Hazard to waters

Denmark - MAL code - Executive Order No. 301 of 13 May 1993

n.a.

Reg. (EU) No 528/2012 on biocides
This product contains: 2-octyl-2H-isothiazol-3-one (OIT) CAS No. 26530-20-1 for antimicrobical protection of the cured sealant (PT7).

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
Acute Tox. 4	Acute toxicity, category 4
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Eye Dam. 1	Serious eye damage, category 1
Flam. Liq. 2	Flammable liquid, category 2
Flam. Liq. 3	Flammable liquid, category 3
Skin Corr. 1	Skin corrosion, category 1
Skin Sens. 1	Skin sensitization, category 1
Skin Sens. 1A	Skin sensitization, category 1A
Skin Sens. 1B	Skin sensitization, category 1B
STOT SE 1	Specific target organ toxicity - single exposure, category 1
STOT SE 2	Specific target organ toxicity - single exposure, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3

Section 16

Text of hazard (H) indications mentioned in section 2-3 of the sheet:	
EUH071	Corrosive to the respiratory tract.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H370	Causes damage to organs.
H371	May cause damage to organs.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Legend

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EC50: Effective concentration (required to induce a 50% effect)
- EC: Identifier in ESIS (European archive of existing substances)
- 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

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2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
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4. Regulation (EC) 790/2009 (I ATP CLP) of the European Parliament

General Bibliography

5. Regulation (EU) 286/2011 (II ATP CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III ATP CLP) of the European Parliament
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9. Regulation (EU) 605/2014 (VI ATP CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII ATP CLP) of the European Parliament
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12. Regulation (EU) 2016/1179 (IX ATP CLP)
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14. Regulation (EU) 2018/669 (XI ATP CLP)
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16. Delegated Regulation (UE) 2018/1480 (XIII ATP CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (EU) 2020/217 (XIV ATP CLP)
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23. Delegated Regulation (EU) 2023/707
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- Handling Chemical Safety
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- 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 from the previous revision

3 Composition/information on ingredients
3.2 Mixtures
QUARTZ
8 Exposure controls/personal protection
8.1 Control parameters

Section 16

Changes from the previous revision
QUARTZ
13 Disposal considerations
13.1 Waste treatment methods