Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 17.03.2023 *Version number 3 (replaces version 2)* *Revision: 17.03.2023*

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

· **1.1 Product identifier**

· **Trade name: 880 Euroseal Silicone**

· **Article number:** *880*

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.

· **Application of the substance / preparation** *Silicate sealing*

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**
Forbo Eurocol Nederland B.V.
Industrieweg 1-2
NL-1521 NA Wormerveer Holland
Tel. +31 75 6271600 - Fax +31 75 6283564
E-mail address: info.eurocol@forbo.com

Website: www.eurocol.com

· **1.4 Emergency telephone number:**
In case of emergency please contact the Dutch National Poison Control, telephone number: 0031-(0)88-755 8000 (This number is only accessible to the physician treating the patient and only in case of accidental poisoning).

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**
The product is not classified, according to the GB CLP regulation.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** *Void*

· **Hazard pictograms** *Void*

· **Signal word** *Void*

· **Hazard statements** *Void*

· **Additional information:**
Contains 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** *Not applicable.*

· **vPvB:** *Not applicable.*

· **Determination of endocrine-disrupting properties**
The product does not contain substances with endocrine disrupting properties.

(Contd. on page 2)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.03.2023 *Version number 3 (replaces version 2)* *Revision: 17.03.2023*

Trade name: 880 Euroseal Silicone

(Contd. of page 1)

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**
· **Description:** *Mixture of substances listed below with nonhazardous additions.*

· **Dangerous components:**

ELINCS: 484-460-1	*O,O',O"-(methylsilyidin)trioxime-2-pentanon* *Acute Tox. 4, H302; Eye Irrit. 2, H319*	*>1-5%*
CAS: 26530-20-1 *EINECS: 247-761-7*	*2-octyl-2H-isothiazol-3-one* *Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; Skin Corr. 1, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Skin Sens. 1A, H317, EUH071* *ATE: LD50 oral: 125 mg/kg* *LD50 dermal: 311 mg/kg* *LC50/4 h inhalative: 0.27 mg/l* *Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.0015 %*	*<1%*

· **Additional information:** *For the wording of the listed hazard phrases refer to section 16.*

SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **General information:**
Never try to let someone unconscious take something.
First responders pay attention to self-protection!
· **After inhalation:** *Supply fresh air; consult doctor in case of complaints.*
· **After skin contact:**
Immediately remove contaminated clothing, wash with water and soap and rinse thoroughly.
In the event of skin irritation (turning red, etc.), consult a doctor.
Carefully wipe off product residue with a soft, dry cloth.
· **After eye contact:**
Take out contact lenses. Rinse for a few minutes with plenty of water (eye shower), consult a doctor if necessary.
· **After swallowing:**
Rinse mouth with water and consult physician immediately.
Give plenty of water to drink.
Do not induce vomiting.
· **4.2 Most important symptoms and effects, both acute and delayed**
In certain cases it is possible that the symptoms of poisoning only occur after a long time / after a few hours.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **For safety reasons unsuitable extinguishing agents:** *Water with full jet*
· **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:

(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.03.2023 *Version number 3 (replaces version 2)* *Revision: 17.03.2023*

Trade name: 880 Euroseal Silicone

(Contd. of page 2)

Carbon oxides
Nitrogen oxides (NOx)
Formaldehyde
Sulfur oxides
Formation of toxic gases is possible during heating or in case of fire.

· **5.3 Advice for firefighters**
Device for respiratory protection independent of the ambient air.
In case of fire and/or explosion do not breathe fumes.
· **Protective equipment:**
Mouth respiratory protective device.
Wear fully protective suit.
· **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Particular danger of slipping on leaked/spilled product.
Avoid contact with eyes and skin.
· **6.2 Environmental precautions:** *Do not allow to enter sewers/ surface or ground water.*
· **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Allow to harden and absorb mechanically.
· **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**
Work only in fume cupboard.
Avoid contact with eyes.
Avoid prolonged or frequent skin contact.
Eating, drinking, smoking and storing food in the work area are prohibited.
Observe the instructions on the label and instructions for use.
· **Information about fire - and explosion protection:** *No special measures required.*

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** *No special requirements.*
· **Information about storage in one common storage facility:** *Not required.*
· **Further information about storage conditions:**
Do not store product in passageways and stairwells.

Recommended storage temperature between 15 and 25 °C.
Store in dry conditions.

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.03.2023 *Version number 3 (replaces version 2)* *Revision: 17.03.2023*

Trade name: 880 Euroseal Silicone

(Contd. of page 3)

· **7.3 Specific end use(s)** *No further relevant information available.*

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**
· **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs**		
O,O',O''-(methylsilyidin)trioxime-2-pentanon		
Dermal	*DNEL long term*	*0.033 mg/kg KG/d (Consumer)*
	DNEL dermal long term	*0.033 (Consumer)*
		0.065 /mg/kg/bw/ (wrk)
Inhalative	*DNEL Inhalative long terme*	*0.057 /mg/m³ (Consumer)*
		0.2292 /mg/m³ (wrk)

· **PNECs**	
O,O',O''-(methylsilyidin)trioxime-2-pentanon	
PNEC mg/l	*0.01 mg/l (Sea Water)*
	0.1 mg/l (Fresh Water)
PNEC mg/kg	*2.15 mg/kg (Rioolwaterzuiveringsinstallaties)*
	0.057 mg/kg (Sea Water Sediment)
	0.269 mg/kg (Fresh Water Sediment)

· **Additional information:** *The lists valid during manufacture were used as basis.*

· **8.2 Exposure controls**
· **Appropriate engineering controls** *Use only in well-ventilated areas.*
· **Individual protection measures, such as personal protective equipment**
· **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Avoid contact with the eyes and skin.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
· **Respiratory protection:**
Filter A
Not necessary if room is well-ventilated.
· **Hand protection**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material is dependant on the penetration times, rates of diffusion and degradation.
· **Material of gloves**
The selection of suitable gloves does not only depend on the material, but also on further aspects of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.03.2023 *Version number 3 (replaces version 2)* *Revision: 17.03.2023*

Trade name: 880 Euroseal Silicone

(Contd. of page 4)

· **Penetration time of glove material**
The exact break through time has to be established by the manufacturer of the protective gloves and has to be observed.
· **For prolonged contact gloves made of the following materials are suitable:**
Butyl rubber
Nitrile rubber
0,5 mm. Penetration time > 480 min,
A maximum wearing time equivalent to 50% of breakthrough time is recommended.
· **Eye/face protection** *Tightly sealed goggles by risk of splashing.*
· **Body protection:** *Protective work clothing*

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· **General Information**	
· **Colour:**	*Different according to colouring*
· **Odour:**	*Characteristic*
· **Odour threshold:**	*Not determined.*
· **Melting point/freezing point:**	*Undetermined.*
· **Flammability**	*Not applicable.*
· **Lower and upper explosion limit**	
· **Lower:**	*Not determined.*
· **Upper:**	*Not determined.*
· **Flash point:**	*Not determined.*
· **Ignition temperature:**	*>440 °C*
· **Decomposition temperature:**	*Not determined.*
· **pH**	*7*
· **Viscosity:**	
· **Kinematic viscosity**	*Not determined.*
· **Dynamic:**	*Not determined.*
· **Solubility**	
· **water:**	*Not determined.*
· **Partition coefficient n-octanol/water (log value)**	*Not determined.*
· **Vapour pressure:**	*Not determined.*
· **Density and/or relative density**	
· **Density at 20 °C:**	*1.04 g/cm³*
· **Relative density**	*Not determined.*
· **Vapour density**	*Not determined.*

· **9.2 Other information**	
· **Appearance:**	
· **Form:**	*Paste*
· **Important information on protection of health and environment, and on safety.**	
· **Auto-ignition temperature:**	*Product is not self-igniting.*
· **Explosive properties:**	*Product does not present an explosion hazard.*
· **Solvent content:**	
· **Organic solvents:**	*0.0 %*

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.03.2023 *Version number 3 (replaces version 2)* *Revision: 17.03.2023*

Trade name: 880 Euroseal Silicone

(Contd. of page 5)

· **Change in condition**	
· **Evaporation rate**	*Not determined.*
· **Information with regard to physical hazard classes**	
· **Explosives**	*Void*
· **Flammable gases**	*Void*
· **Aerosols**	*Void*
· **Oxidising gases**	*Void*
· **Gases under pressure**	*Void*
· **Flammable liquids**	*Void*
· **Flammable solids**	*Void*
· **Self-reactive substances and mixtures**	*Void*
· **Pyrophoric liquids**	*Void*
· **Pyrophoric solids**	*Void*
· **Self-heating substances and mixtures**	*Void*
· **Substances and mixtures, which emit flammable gases in contact with water**	*Void*
· **Oxidising liquids**	*Void*
· **Oxidising solids**	*Void*
· **Organic peroxides**	*Void*
· **Corrosive to metals**	*Void*
· **Desensitised explosives**	*Void*

SECTION 10: Stability and reactivity

· **10.1 Reactivity** *No further relevant information available.*
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
· **10.3 Possibility of hazardous reactions** *No dangerous reactions known.*
· **10.4 Conditions to avoid**
Extreme high or low temperatures. Protect against direct sunlight.
Humidity.
· **10.5 Incompatible materials:**
Reactions with strong oxidants.
Avoid contact with other chemicals.
· **10.6 Hazardous decomposition products:** *No dangerous decomposition products known.*

SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
· **Acute toxicity** *Based on available data, the classification criteria are not met.*

· **LD/LC50 values relevant for classification:**

26530-20-1 2-octyl-2H-isothiazol-3-one

Oral	*LD50*	*125 mg/kg (ATE)*
		>500 mg/kg (rat)
Dermal	*LD50*	*311 mg/kg (ATE)*

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.03.2023 *Version number 3 (replaces version 2)* *Revision: 17.03.2023*

Trade name: 880 Euroseal Silicone

(Contd. of page 6)

Inhalative	*LC50/4 h*	*>900 mg/kg (rat)* *0.27 mg/l (ATE)* *0.27 mg/l (rat)*

· **Skin corrosion/irritation** *Based on available data, the classification criteria are not met.*
· **Serious eye damage/irritation** *Based on available data, the classification criteria are not met.*
· **Respiratory or skin sensitisation** *Based on available data, the classification criteria are not met.*
· **Germ cell mutagenicity** *Based on available data, the classification criteria are not met.*
· **Carcinogenicity** *Based on available data, the classification criteria are not met.*
· **Reproductive toxicity** *Based on available data, the classification criteria are not met.*
· **STOT-single exposure** *Based on available data, the classification criteria are not met.*
· **STOT-repeated exposure** *Based on available data, the classification criteria are not met.*
· **Aspiration hazard** *Based on available data, the classification criteria are not met.*
· **11.2 Information on other hazards**

· **Endocrine disrupting properties**
None of the ingredients is listed.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**	
ErC50/72 h	*315.36 mg/l (PS)*
EC50/48 h	*678.73 mg/l (daphnia)*
LC50/96 h	*696.76 mg/l (Pimephales promelas)*
NOEC, 72 hr	*62.34 mg/l (PS)*

O,O',O''-(methylsilyidin)trioxime-2-pentanon	
LC50/96h	*>113 mg/l (OM)*
EC50/72 h	*58 mg/l (Pseudokirchnerella subcapitata)*
EC50/48 h	*>100 mg/l (daphnia)*
NOEC, 72 hr	*32 mg/l (Pseudokirchnerella subcapitata)*

26530-20-1 2-octyl-2H-isothiazol-3-one	
EC50	*30.4 mg/l (activated sludge)*
EC50/48 h	*0.1 mg/l (DM)*
IC50/72 h	*0.084 mg/l (Selenanastrum capricornutum)*
LC50/96 h	*0.03 mg/l (OM)*

· **12.2 Persistence and degradability** *No further relevant information available.*
· **12.3 Bioaccumulative potential** *No further relevant information available.*
· **12.4 Mobility in soil** *No further relevant information available.*
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** *Not applicable.*
· **vPvB:** *Not applicable.*
· **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.03.2023 *Version number 3 (replaces version 2)* *Revision: 17.03.2023*

Trade name: 880 Euroseal Silicone

(Contd. of page 7)

· **12.7 Other adverse effects**
· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation** *Smaller quantities can be disposed of with household waste.*

· **European waste catalogue**	
07 02 17	*waste containing silicones other than those mentioned in 07 02 16*
08 04 10	*waste adhesives and sealants other than those mentioned in 08 04 09*

· **Uncleaned packaging:**
· **Recommendation:** *Disposal must be made according to official regulations.*

SECTION 14: Transport information

· **14.1 UN number or ID number** · **ADR, ADN, IMDG, IATA**	*Void*
· **14.2 UN proper shipping name** · **ADR, ADN, IMDG, IATA**	*Void*
· **14.3 Transport hazard class(es)** · **ADR, ADN, IMDG, IATA** · **Class**	*Void*
· **14.4 Packing group** · **ADR, IMDG, IATA**	*Void*
· **14.5 Environmental hazards:** · **Marine pollutant:**	*No*
· **14.6 Special precautions for user**	*Not applicable.*
· **14.7 Maritime transport in bulk according to IMO instruments**	*Not applicable.*
· **Transport/Additional information:**	*Not classified as hazardous under transport regulations.*
· **UN "Model Regulation":**	*Void*

(Contd. on page 9)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.03.2023 *Version number 3 (replaces version 2)* *Revision: 17.03.2023*

Trade name: 880 Euroseal Silicone

(Contd. of page 8)

SECTION 15: Regulatory information

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

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** *None of the ingredients is listed.*

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**
None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**
None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**
None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**
None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**
None of the ingredients is listed.

· **National regulations:**

· **Waterhazard class:** *Water hazard class 1 (Self-assessment): slightly hazardous for water.*
· **15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**
H301 Toxic if swallowed.
H302 Harmful 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.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
EUH071 Corrosive to the respiratory tract.

· **Department issuing SDS:** *R&D department*
· **Contact:** *Ing. T.W. Breeuwer*
· **Version number of previous version:** *2*
· **Abbreviations and acronyms:**
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods

(Contd. on page 10)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 17.03.2023 *Version number 3 (replaces version 2)* *Revision: 17.03.2023*

Trade name: 880 Euroseal Silicone

(Contd. of page 9)

IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 2: Acute toxicity – Category 2
Skin Corr. 1: Skin corrosion/irritation – Category 1
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1A: Skin sensitisation – Category 1A
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1