

Safety data sheet according to UK REACH

Printing date 13.08.2024

Version number 4

Revision: 13.08.2024

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 6271620

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.*

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

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

· **Dangerous components:**

ELINCS: 484-460-1	O,O',O''-(methylsilylidin)trioxime-2-pentanon	>1-5%
	⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319	

(Contd. on page 2)

Safety data sheet according to UK REACH

Printing date 13.08.2024

Version number 4

Revision: 13.08.2024

Trade name: **880 Euroseal Silicone**

(Contd. of page 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:

Carbon oxides

Nitrogen oxides (NO_x)

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.

(Contd. on page 3)

Safety data sheet according to UK REACH

Printing date 13.08.2024

Version number 4

Revision: 13.08.2024

Trade name: **880 Euroseal Silicone**

(Contd. of page 2)

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.

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

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Additional information about design of technical facilities:** *Use only in well-ventilated areas.*

· **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''-(methylsilylidin)trioxime-2-pentanon

Dermal	DNEL long term	0.033 mg/kg KG/d (consumer)
	DNEL dermal long term	0.033 (consumer)
Inhalative		0.065 /mg/kg/bw/ (worker)
	DNEL Inhalative long terme	0.057 /mg/m ³ (consumer)
		0.2292 /mg/m ³ (worker)

· **PNECs**

O,O',O''-(methylsilylidin)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)

(Contd. on page 4)

Safety data sheet according to UK REACH

Printing date 13.08.2024

Version number 4

Revision: 13.08.2024

Trade name: **880 Euroseal Silicone**

(Contd. of page 3)

0.269 mg/kg (Fresh Water Sediment)

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

· **8.2 Exposure controls**

· **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.

· **Protection of hands:**



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.

· **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 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**

· **Appearance:**

· **Form:**

Paste

· **Colour:**

Different according to colouring

· **Odour:**

Characteristic

· **Odour threshold:**

Not determined.

· **pH-value:**

7

· **Change in condition**

· **Melting point/freezing point:**

Undetermined.

· **Initial boiling point and boiling range:** *Undetermined.*

· **Flash point:**

Not applicable.

· **Flammability (solid, gas):**

Not applicable.

(Contd. on page 5)

Safety data sheet according to UK REACH

Printing date 13.08.2024

Version number 4

Revision: 13.08.2024

Trade name: **880 Euroseal Silicone**

(Contd. of page 4)

· Auto-ignition temperature:	>440 °C
· Decomposition temperature:	Not determined.
· Ignition temperature:	Product is not self-igniting.
· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapour pressure:	Not determined.
· Density at 20 °C:	1.04 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Not determined.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	0.0 %
· 9.2 Other information	No further relevant information available.

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 toxicological effects**
- **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)
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(Contd. on page 6)

Safety data sheet according to UK REACH

Printing date 13.08.2024

Version number 4

Revision: 13.08.2024

Trade name: **880 Euroseal Silicone**

(Contd. of page 5)

Dermal	LD50	311 mg/kg (ATE) >900 mg/kg (rat)
Inhalative	LC50/4 h	0.27 mg/l (ATE) 0.27 mg/l (rat)

- **Primary irritant effect:**
- **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.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.

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''-(methylsilylidin)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.
- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

GB

(Contd. on page 7)

Safety data sheet according to UK REACH

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Version number 4

Revision: 13.08.2024

Trade name: **880 Euroseal Silicone**

(Contd. of page 6)

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** *Smaller quantities can be disposed of with household waste.*
- **Uncleaned packaging:**
- **Recommendation:** *Disposal must be made according to official regulations.*

SECTION 14: Transport information

· 14.1 UN-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 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	Not classified as hazardous under transport regulations.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
 - **Poisons Act**
- | | |
|---|------------------------------------|
| · Regulated explosives precursors | None of the ingredients is listed. |
| · Regulated poisons | None of the ingredients is listed. |
| · Reportable explosives precursors | None of the ingredients is listed. |
| · Reportable poisons | None of the ingredients is listed. |
- **Directive 2012/18/EU**
 - **Named dangerous substances - ANNEX I** *None of the ingredients is listed.*

(Contd. on page 8)

Safety data sheet according to UK REACH

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Version number 4

Revision: 13.08.2024

Trade name: **880 Euroseal Silicone**

(Contd. of page 7)

· **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**

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

· **Department issuing SDS:** *R&D department*

· **Contact:** *Ing. T.W. Breeuwer*

· **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

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. 4: Acute toxicity – Category 4

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

GB