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

1.1 Product identifier

Silicone sealing compound

1.2 Relevant identified use of substance/preparation and use which is advised against

None.

Relevant identified uses

Silicone sealing compound

1.3 Details of the supplier of safety data sheet

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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 CLP regulation.

Classification as per directive 67/548/EEC or directive 1999/45/EC

Not classified.

Special hazard information for humans and the environment

Product has not to be labelled due to the calculation method as per the latest valid version of the "General Classification Guideline for Preparations of the EC".

System of Classification:

The classification is conform to the latest EC-lists, but supplemented by additional information taken from technical literature and company information.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008: not applicable

Hazard pictograms: not applicable

Signal words: not applicable

Hazard Statements: not applicable

Additional Information:

Provide adequate ventilation during processing and hardening. Contains 3-(triethoxysilyl)-propylamine. May produce an allergic reaction.

2.3 Other hazards

Chemical substances are released to the ambient air during processing and hardening. (see section 11). Therefore provide adequate ventilation and additional suction if necessary.

Results of PBT and vPvB evaluation

PBT: Not applicable

vPvB: Not applicable






SECTION 3: Composition/information on ingredients**3.2 Mixtures****Chemical characterization**

Mixture

Description

Polydimethylsiloxane, fillers, additives and alkoxy cross linker

Hazardous ingredients:

References:	Description	Concentration
CAS: 1185-55-3 EINECS: 214-685-0	Trimethoxy(methyl)silane  F R11  Flam. Liq. 2, H225	50 – 100 %
CAS: 128446-60-6	3- Aminopropyl (methyl-)silsesquioxane, ethoxy- terminated  Xi R36/38 R10  Flam. Liq. 3, H226;  Skin Irrit. 2, H315; Eye Irrit. 2, H319	< 5%

Additional Information:

See section 16 for the complete wording of the hazard statements.

SECTION 4: First aid measures**Description of First aid measures****Inhalation:**

Provide fresh air, give artificial respiration if necessary, keep warm. Get medical advice in case of lasting discomfort.

Skin contact:

Wash immediately with soap and water. Get medical advice skin irritation persists.

Eye contact:

Flush with water for several minutes holding eyelids apart. Get medical advice. Remove contact lenses if present.

Ingestion:

Do not induce vomiting. Get immediately medical advice. Show packaging or label. Rinse mouth and drink plenty of water in small portions (only if person is conscious).

SECTION 5: Fire fighting measures**5.1 Extinguishing media****Suitable extinguishing media:**

Extinguishing powder or water spray jet. In case of heavy fire use alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture

Formation of toxic gas is possible if heated or in case of fire.

5.3 Advice for fire-fighters**Special protective equipment**

Use self-contained respirator (breathing apparatus with compressed air).
Do not inhale explosion fumes and fire gases.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Provide sufficient ventilation.

6.2 Environmental precautions

Do not allow to enter drains/surface water/ground water.

6.3 Methods and material for containment and cleaning up

Dispose of contaminated material as waste as stated in section 13.

6.4 Reference to other sections

See section 8 for information on personal protective equipment.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Provide adequate ventilation/aspiration at workplaces. See section 8 for personal protective equipment.

7.2 Conditions for safe storage including any incompatibilities**Storage****Requirements for storage rooms and vessels:**

Prevent penetration into the ground.

Advice on joint storage:
Store away from foodstuff.

Further information on storage conditions:
Store in closed containers in a cool and dry place. Protect from heat and direct sun light.

SECTION 8: Exposure controls/personal protection

Additional information on design of technical facilities:
No additional information, see section 7.

8.1 Control Parameters

Components with occupational exposure limits that have to be controlled:

CAS-No. substance % Species Value Unit

Additional exposure limit values at possible processing hazards:

67-56-1 Methanol

MAC long term value: 270 mg/m³, 200 ml/m³ 4(II); DFG, EU, H, Y

Additional information: Values are based on lists valid at time of creation.

8.2 Exposure controls

Personal protective equipment

Advices on general protective and hygiene measures:

Observe the common precautionary measures for the handling of chemicals. Wash hands before breaks and after work. Avoid contact with skin and eyes.

Respiratory protection

Do not use the product in case of inadequate ventilation or wear a protective mask with suitable gas filter (type ABEK as per EN 14387).

Hand protection

Protective gloves

Glove material:

Check the workplace specific suitability of the protective gloves (e. g. sensitivity, mechanical resistance, product compatibility, permeation time). The manufacturer's instructions and information on use, storage, maintenance and exchange of the gloves have to be observed. The protective gloves should be immediately exchanged in case of damage or wear marks.

The selection of a suitable glove material depends on the material as well as on other quality characteristics and may differ from manufacturer to manufacturer.

Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Reference Number: EN 374. E. g: fluorinated rubber, Viton, nitrile rubber, natural rubber latex (short term).

Permeation time of the glove material

The exact penetration time is to be obtained from the glove manufacturer and must be observed.

Eye protection

Protection goggles

Body protection
Protective work wear

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	Pasty
Colour:	As per product description
Odour:	Typical
Odour threshold:	Not defined
Melting point:	Not defined
Boiling point:	Not defined
Flash point:	Not defined
Ignition temperature:	The product is not self igniting
Explosion hazard:	The product is not explosive.
Density:	1,02 g/cm ³ at 20 °C
Water solubility:	Not soluble

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability.

Thermal decomposition and conditions to avoid:

No decomposition products when stored and handled according to provisions.
Avoid excessive heating.

10.6 Hazardous decomposition products

Measurements with compatible products have shown that oxidative decomposition at temperatures greater than about 150 °C releases a small quantity of formaldehyde.
se paragraph 5.2.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Primary irritant effect on the skin: Irritation of skin and mucous membranes

Primary irritant effect on the eyes: May lead to irritation.

Other information (experimental toxicology)

Product hydrolyzes to form methanol. (CAS-no. 67-56-1). Methanol is toxic if inhaled, ingested or if it comes into contact with skin. Methanol causes damage to organs. Methanol is highly flammable. Inhaling aerosol mist can cause damage to health.

SECTION 12: Ecological information**12.2 Persistence and degradability**

Other advice: Product is not biodegradable.

Other ecological information:**General advice:**

Do not allow to enter drains/surface water/ground water.

Water hazard class 2 (self-assessment VwVwS): hazardous to water

12.5 Results of PBT and vPvB assessment

PBT: not applicable.

vPvB: not applicable.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Recommendation**

Observe local laws and regulations.

After curing product can be disposed of with household waste or industrial waste.

Non-used material (fluid, pasty) has to be disposed of as hazardous waste.

Packaging**Recommendation:**

Emptied packaging can be reused/recycled.

Packaging that cannot be cleaned respectively packaging with residues have to be disposed in the same way like the product.

SECTION 14: Transport information**14.1. UN-No.**

ADR, ADN, IMDG, IATA: not applicable

14.2. UN proper shipping name:

ADR: not applicable

ADN, IMDG, IATA: not applicable

14.3. Transport hazard class(es):

ADR, ADN, IMDG, IATA

Class: none

14.4. Packing group:

ADR, IMDG, IATA: not applicable

14.5 Environmental hazards:

Hazardous to water: no

14.6 Special precautions for user:

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Transport/other information:

No hazardous goods as per a. m. regulations.

UN "Model Regulation": -**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****Water hazard class:** 2 (self-assessment according to VwVwS): hazardous to water**Information on international registration status:**

EINECS - Europe listed
AICS - Australia listed
DSL/NDSL - Canada not listed
IECSC - China listed
ENCS - Japan listed
NZIoC - New Zealand not listed
PICCS - Philippines listed
ECL/KECI - Korea listed
TSCA - USA listed
NECI - Taiwan not listed

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

The information given in this data sheet is based on our current technical knowledge, however it is no assurance of product properties and does not justify a contractual legal relationship.

Relevant sentences

H225	Highly flammable liquid and vapour..
H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
R10	Inflammable
R11	Highly inflammable
R36/38	Irritating to eyes/skin.

Abbreviations and acronyms:

ADR: Accord européen sur le transport 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)

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Change index

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