

SAFETY DATA SHEET



ENVIROGRAF®

HS062-10-2019

Product Number: 62

Silicone Sealant

DESCRIPTION

Supplied as a one-part, ready-to-use, flexible, halogen free Silicone sealant, which reacts with atmospheric moisture to form a durable, flexible seal. Neutral curing system; almost odourless. Adheres to water based and solvent based paints, no plasticizer migration. Non-corrosive to metals. Primer-less adhesion to most materials.

This product comprises of the following materials and therefore is supported by Health & Safety Data Sheets:

- *(Appendix 31)* Silicone Sealant

*The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the user's own assessment of workplace risk as required by other health and safety legislation.

HEALTH & SAFETY INFORMATION SHEET
APPENDIX 31
SIL SILICONE SEALANT

July 2019. Issue 3

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

1.1 PRODUCT NAME:	Silicone Sealant
1.2 Use of substance/preparation	Sealants
1.3 MANUFACTURER/SUPPLIER:	Envirograf
ADDRESS:	Envirograf House, Barfrestone, Dover, Kent, CT15 7JG
TELEPHONE/FAX/EMAIL:	01304 842555 01304 842666 sales@envirograf.com
EMERGENCY PHONE NUMBER:	01304 842555 (Monday to Friday 8.30 – 5.30)

2. HAZARDS IDENTIFICATION

2.1 Classification

This product is not a dangerous preparation within the meaning of Directive 1999/45/EC.

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL Characterisation (preparation): ~85% Mixture of Polydimethylsiloxanes, fillers and alkoxysilane cross linkers

HAZARDOUS COMPONENTS:

Name	EC No.	CAS No.	Conc. Range	Symbol	R-Phrases
Methyl Trimethoxysilane	214-685-0	1185-55-3	<5%	Xi, F	R11, 38
3-Aminopropyl(methyl) silsesquioxanes, ethoxy-terminated		128446-60-6	<5%	Xi	R10-36/38
Trimethoxy vinylsilane	220-449-8	Trimethoxy vinylsilane	<5%	Xn	R10-20

R-Phrases – see section 16

4. FIRST AID MEASURES

4.1 General information:

In case of accident or if you feel unwell seek medical advice (show label or SDS where possible)

4.2 After inhalation:

Provide fresh air

4.3 After contact with the skin:

Wipe off excess material with cloth or paper. Wash with plenty of water or water and soap. In the event of a visible skin change or other complaints, seek medical advice (show label or SDS where possible)

4.4 After contact with the eyes:

Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation

4.5 After swallowing:

Give several small portions of water to drink. Do not induce vomiting

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media:

Water mist, extinguishing powder, alcohol-resistant foam, carbon dioxide, sand

5.2 Extinguishing media which must not be used for safety reasons:

Water spray, water jet

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: -

5.4 Special protective equipment for fire fighting:

Use respiratory protection independent of re-circulated air

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions

Wear personal protection equipment (see section 8). Avoid contact with eyes and skin. Avoid inhaling mists and vapours. If material is released indicate risk of slipping.

6.2 Environmental precautions:

Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth)

6.3 Methods for cleaning up:

Do not flush away with water. Take up mechanically and dispose of according to local/state/federal regulations. Clean any slippery coating that remains using a detergent/ soap solution or another biodegradable cleaner

6.4 Further information:

Eliminate all sources of ignition.

7. HANDLING AND STORAGE

7.1 Handling

Precautions for safe handling:

Ensure adequate ventilation. Keep away from incompatible substances in accordance with section 10.2

Precautions against fire and explosion:

Vapours may form in closed rooms with air mixtures, leading to explosion in the presence of sources of ignition, even in empty, unclean vessels. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging. Cool endangered containers with water.

7.2 Storage

Condition for storage rooms and vessels:

None known

Advice for storage of incompatible materials:

Not applicable

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure limits

Maximum airborne concentrations at the workplace: Maximum airborne concentrations at the workplace:

CAS No.	Material	Type	Mg/m ³	Ppm	Dust fract.	Fibre/m ³
67-56-1	Methanol	TLV_GB	266,0	200,0	-	-

8.2 Exposure limited and controlled

8.21 Exposure in the work place limited and controlled

General protection and hygiene measures:

Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Do not eat, drink or smoke when handling.

Personal protection equipment

Respiratory protection

In case of long or strong exposure: gas mask filter ABEK

Hand protection

Nitrile rubber protective gloves. Protective gloves made of butyl rubber. Gloves suitable for up to 60 minutes' use

Eye protection

Protective goggles

8.22 Exposure to the environment limited and controlled

Prevent material from entering surface waters and soil

8.3 Further information for system design and engineering measures

Observe information in section 7

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Physical state/form: Paste

Colour: Various

Odour: Pleasant

9.2 Important information about the protection of health, safety and the environment

Melting point/ melting range: not applicable

Boiling point/ boiling range: not applicable

Flash point: not applicable

Ignition temperature: > 400°C

Lower explosion limit (LEL): not applicable

Upper explosion limit (UEL): not applicable

Vapour pressure not applicable

Density 0,98-1,05g/cm³ at 25°C

Water solubility/miscibility: virtually insoluble

pH Value not applicable

Viscosity (dynamic) not applicable

9.3 Other information

Re 9.2 solubility in water: Hydrolytic decomposition occurs. Explosion limits for released methanol: 5.5- 44% (V).

Thermal decomposition: not applicable

10. STABILITY AND REACTIVITY

10.1 General information

If stored and handled in accordance with standard industrial practices no hazardous reactions are known

10.2 Conditions to avoid:

Moisture

10.3 Materials to avoid:

Reacts with: basic substances, acids and water. Reaction causes the formation of: methanol

10.4 Hazardous decomposition products:

Under the effect of humidity: methanol. Measurements have shown the formation of small amounts of Formaldehyde at temperatures above 150°C

11. TOXICOLOGICAL INFORMATION

11.1 General information

Product not investigated. According to our present state of knowledge no damaging effect expected when treated in accordance with standard industrial practices and local regulations where applicable.

11.2 Toxicological tests

Further information:

No data known

11.3 Experience with man:

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11.4 Further toxicological information

By product: Attention! Product may hydrolyse in gastro-intestinal tract and produce methanol. According to literature methanol (67-56-1) irritates mucous membranes, has skin drying and narcotic effects up to coma or death. Absorption by the skin is possible. Possibility of damage to heart, kidneys, liver and optic nerves (blindness) over a period of time.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

According to past experience toxicity to fish is improbable

Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):

According to current knowledge adverse effects on water purification plants are not expected.

12.2 Mobility

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12.3 Persistence and degradability

Biodegradation/further information:

Biologically not degradable

Further information: -

12.4 Bio-accumulation potential

Bioaccumulation is not expected to occur

12.5 Other harmful

12.6 Additional information

General information:

In cross-linked state not soluble in water. Easily separable from water by filtration

13. DISPOSAL CONSIDERATIONS

13.1 Material

Recommendation:

Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations.

13.2 Uncleaned packaging

Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used.

13.3 Waste Disposal Legislation Ref.No. (EC):

It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator

14. TRANSPORT INFORMATION

14.1 Land transport GGVSE/ADR and RID

Road ADR:

Valuation: Not regulated for transport

Railway RID: Not regulated for transport

14.2 Inland navigation GGVBinsch/ADNR

14.3 Transport by sea GGVSee/IMDG-code

Valuation: Not regulated for transport

14.4 Air transport ICAO-TI/IATA-DGR

Valuation: Not regulated for transport

15. REGULATORY INFORMATION

FURTHER INFORMATION: Not a hazardous substance or preparation according to EC directive 1999/45/EC. This product does not need to be labelled in accordance with EC directives or respective National Laws.

16. OTHER INFORMATION

R-phrases which are listed in Section 3:

R11 R38	-Highly Flammable. Irritating to skin
R10 R36/38	-Flammable. Irritating to eyes and skin
R10 R20	-Flammable. Harmful by inhalation

The information contained in the Health and Safety Data Sheet is provided in accordance with the requirements of the CHIP Regulations. The product should not be used for purposes other than those shown in section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. This information contained in the safety data sheet is based on present knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.
