

PRODUCT SAFETY DATA SHEET

According to article 31 and Annex II of the EU REACH Regulation



SILFIX® LMN (ALL COLOURS)

Version No: 1

Revision Date: 30/06/09

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Trade Name	Silfix LMN (All colours).
Use of the substance / preparation	Construction sealant.
Manufacturer / Supplier	Hodgson Sealants Limited Belprin Road Beverley East Yorkshire HU17 0LN
Service	Tel: + 44 (0)1482 868321 Fax: + 44 (0)1482 679337 E-mail: SDS@hodgsonsealants.com
Emergency Phone Number (UK Office Hours Only: 9am to 5pm)	Tel: + 44 (0)1482 868321

2. HAZARDS IDENTIFICATION

This product is not hazardous according to article 31 and Annex II of the EU REACH Regulations.

Prolonged skin contact may defat and dry the skin leading to possible irritation and dermatitis. Eye contact may cause smarting and irritation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterisation	Silicone elastomer
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Hazardous Ingredients:

Name	CAS No.	EC No.	Conc. (%w/w)	Classification & R phrases	
Tetraethyl orthosilicate	78-10-4	201-083-8	<5%	Xn	R10, 22,36/37
Morpholinomethyltriethoxysilane	21743-27-1	N/A	<5		R52, 53
3-Aminopropyl (methyl) silsesquioxanes, ethoxy terminated	128446-60-6	N/A	<5	Xi	R10, 36/38
Distillates, petroleum, hydrotreated middle	64742-46-7	265-148-2	<=20	Xn	R65

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4. FIRST AID MEASURES

Eye contact	Flush with water. Seek medical advice if irritation persists.
Skin contact	Wipe off and wash with soap and water. Seek medical advice if irritation persists.
Inhalation	Remove to fresh air.
Ingestion	No first aid should be needed.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media	Carbon dioxide, foam, dry powder or fine water mist. Water can be used to cool containers exposed to fire.
Unsuitable extinguishing media	Water jet or water spray.
Special protective equipment / procedures	A self-contained respirator and protective clothing should be worn. Keep containers cool with water spray until well after fire is out. Determine the need to evacuate or isolate the area according to your local emergency plan.
Special exposure hazards arising from the substance or preparation itself, combustion products and resulting gases	Silica. Carbon oxides, traces of incompletely burned carbon compounds and nitrous gases. Product may release ethanol. Vapours may form in closed rooms with air mixtures, leading to explosion in the presence of sources of ignition.

6 ACCIDENTAL RELEASE MEASURES.

Personal precautions	Wear proper protective equipment.
Precautions to protect the environment	Prevent material from entering surface waters, drains or sewers and soil. Retain contaminated water.
Methods for cleaning up	Scrape up and place in a container fitted with a lid. Absorb larger spillages with sawdust, sand or earth. The spilled product produces an extremely slippery surface.

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7. HANDLING AND STORAGE

Advice on safe handling

General ventilation is recommended. Avoid skin and eye contact. Do not breathe vapour. Take precautions against static discharges. Wash hands thoroughly with soap and water before eating and drinking.

Advice on storage

Do not store with oxidising agents. Keep container closed and store away from moisture and sources of ignition. Product may release ethanol.

Unsuitable packaging materials

None known. Protect product against moisture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls for hazardous components

Name	CAS No.	Workplace Exposure Limits
Tetraethyl orthosilicate	78-10-4	TLV 10ppm 87mg/m ³
Ethanol	64-17-5	TLV 1000ppm 1920mg/m ³

Personal protective equipment

Respiratory protection	Suitable respiratory protection should be worn if the product is used in large quantities, confined spaces or in other circumstances where the OEL may be approached or exceeded.
Hand protection	Butyl rubber gloves if prolonged skin contact likely. Barrier creams may help protect exposed areas of skin but should not be applied once exposure has occurred.
Eye protection	Safety glasses should be worn.
Skin protection	Protective equipment is not normally necessary.
Hygiene measures	Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.
Environmental exposure controls	Refer to section 6 & 12.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Paste.
Odour	None.
Specific Gravity	1g/cm ³ (Translucent and white).
Water solubility	0 g/l at 25°C
Oxidising properties	No.

The above information is not intended for use in preparing product specifications.

10. STABILITY AND REACTIVITY

General information	Stable at room temperature.
Conditions to avoid	Moisture.
Materials to avoid	Avoid water, basic substances and acids.
Hazardous decomposition	Ethanol. At temperatures above 150°C formaldehyde may be produced through oxidation.

11. TOXICOLOGICAL INFORMATION

On contact with eyes	May cause temporary discomfort.
On skin contact	No adverse effects are normally expected.
On inhalation	Vapours evolved during curing may cause dizziness.
On ingestion	Small amounts transferred to the mouth by fingers during use should not injure. Swallowing large amounts may cause digestive discomfort.
Other health hazard information	Product may hydrolyse in gastro-intestinal tract and produce methanol. Methanol may irritate mucous membranes, has skin drying and narcotic effects. Absorption by the skin is possible. Possibility of damage to heart, kidneys, liver and optic nerves over a period of time.

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12. ECOLOGICAL INFORMATION

Ecotoxicity effects	No adverse effects on aquatic organisms are predicted.
Environmental fate and distribution	Cured material, insoluble in water. No adverse effects are predicted.
Fate and effects in waste water treatment plants	No adverse effects on bacteria are predicted.
Persistence and degradability	Biologically not degradable.
Bioaccumulation	No bioaccumulation potential.

13. DISPOSAL CONSIDERATIONS

Product disposal	Dispose of in accordance with local regulations. Do not empty product into drains. According to the European catalogue, waste codes are not product specific, but application specific. The user should assign waste codes, preferably in discussion with the waste disposal authorities.
Packaging disposal	Dispose of in accordance with local regulations. Do not empty product into drains. The user should assign waste codes, preferably in discussion with the waste disposal authorities.

14. TRANSPORT INFORMATION

Road / Rail (ADR/RID)	Not subject to ADR/RID.
Sea transport (IMDG)	Not subject to IMDG code.
Air transport (ICAO)	Not subject to ICAO regulations.

15. REGULATORY INFORMATION

Labelling according to EEC directive	
Nature of hazard	No specific regulatory or labelling requirements.
Hazard symbols	No specific regulatory or labelling requirements.
R-phrases	No specific regulatory or labelling requirements.
S-phrases	S24 Avoid contact with skin. S51 Use only in well-ventilated areas.
EINECS	All ingredients listed or exempt.

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16. OTHER INFORMATION

This Product Safety Data Sheet was prepared in compliance with article 31 and Annex II of the EU REACH regulation as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

This product should only be used as stated in Hodgson literature. It is the responsibility of the persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose of or in any way come in to contact with the product. If the recipient subsequently produces a formulation containing the Hodgson product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Hodgson Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with article 31 and Annex II of the EU REACH regulation.

All information and instructions provided in the Product Safety Data Sheet are based on the current state of scientific and technical knowledge at the date indicated on the present Product Safety Data Sheet. Hodgson shall not be held responsible for any defect in the product covered by this Product Safety Data Sheet, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.