



HODGSON
SEALANTS

PRODUCT SAFETY DATA SHEETS

According to EC directive 91/155/ECC and subsequent amendments

Revision No: 1.0

Revision Date: 03/10/2002

SILFIX LMA (*Brown, White & Translucent*)

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Trade Name	Silfix LMA
Description	Gun applied soft paste for use as a sealant or adhesive
Manufacturer / Supplier	Hodgson Sealants Limited Belprin Road Beverley East Yorkshire HU17 0LN
Service	Tel: + 44 (0)1482 868321 Fax: + 44 (0)1482 679337
Emergency Phone Number (24 hr)	Tel: + 44 07703 517826

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterisation Silicone elastomer

Hazardous Ingredients:

Name	CAS No.	Conc. (%w/w)	EN No.	Classification & R phrases
Triacetoxyethylsilane	17689-77-9	2.4 – 2.6 %	241-677-4	C R34 Xn R22
Methyltriacetoxyasilane	4253-34-3	1.7 %	224-221-9	C R34 Xn R22
4,5-Dichloro-2-N-Octyl-4-Iso thiazolin-3-One (<i>Translucent only</i>)	64359-81-5	0.1 %	264-843-8	T R23 C R34 R43 N R50

3. HAZARDS IDENTIFICATION

This product is low hazard. However, during use and when in contact with moisture from the air, it generates small quantities of Acetic Acid which irritates the skin and mucous membranes and is flammable.



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4. FIRST AID MEASURES

Eye contact	Wash eye thoroughly with cold water. If irritation persists seek medical attention
Skin contact	Wash affected area thoroughly with soap and water.
Inhalation	Move into fresh air. If problems persist, seek medical advice.
Ingestion	If confined to the mouth, do not swallow; wash out mouth with water. No first aid should be needed. If swallowed, drink water and seek medical advice, showing the container/label/safety data sheet. Do not induce vomiting
Medical Treatment	Give symptomatic treatment

5. FIRE FIGHTING MEASURES

Suitable extinguishing media	Foam, Dry powder, Carbon dioxide, water spray. Cool endangered containers with water.
Unsuitable extinguishing media	None known
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.
Hazardous combustion products	Silica. Carbon oxides and traces of incompletely burned carbon products. At temperatures above 150°C, small amounts of Formaldehyde are generated.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid contact with skin and eyes and inhalation of the vapour. Wear suitable protective clothing during spillage clean-up
Precautions to protect the environment	Do not allow large quantities to enter drains or surface waters
Methods for cleaning up	Scrape up and place in a container fitted with a lid. Small spillage's should be wiped up immediately with rags and the rags disposed of in solid waste containers The spilled product produces an extremely slippery surface



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7. HANDLING AND STORAGE

Advice on safe handling	Ensure good ventilation during use. Avoid eye and skin contact and inhalation of the vapour. Keep away from sources of ignition and do not smoke. Take precautionary measures against static discharges. Keep away from food and drink. Wash hands thoroughly with soap and water before eating or drinking
Advice on storage	Do not store with oxidising agents. Protect against moisture. Keep container tightly closed and store under cover in a cool, well ventilated place below 30°C and away from direct sunlight or heat sources
Unsuitable packaging materials	None known.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls for hazardous components

Name	Cas No.	Exposure Limit
Triacetoxyethylsilane	17689-77-9	<i>HSE EH40 Occupational Exposure Standard for :</i> 10 ppm for an 8 hour TWA reference period as acetic acid 10 ppm for a 15minute STEL reference period as acetic acid.
Methyltriacetoxyasilane	4253-34-3	10 ppm for an 8 hour TWA reference period as acetic acid 10 ppm for a 15minute STEL reference period as acetic acid.

Personal protection equipment

Ventilation	Use natural or forced ventilation to reduce atmospheric levels below exposure limits. Use respiratory protection only if this is not possible
Respiratory protection	Not necessary when used in a well-ventilated area. 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. If needed, use a gas mask filter ABEK. Check with protective equipment manufacturers
Skin protection	Chemical protective gloves should be worn where repeated or prolonged contact can occur
Eye protection	Safety spectacles and suitable gloves if prolonged skin contact likely
Hygiene measures	Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Gun applied soft paste filled in cartridges.
Colour	Brown, White and Translucent
Odour	Pungent, vinegar-like
Specific Gravity	1.04 g/cm ³
Solubility	Virtually insoluble in water. Some decomposition releasing Acetic acid

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

10 STABILITY AND REACTIVITY

Stability	Stable at room temperature
Conditions to avoid	If stored and handled as directed, no hazardous reactions. Slight reaction with water, bases and alcohol's to form Acetic acid. Forms small amounts of Formaldehyde at temperatures above 150°C.
Materials to avoid	Can react with strong oxidising agents. Cures in the presence of water or moisture, releasing a small amount of acetic acid.
Hazardous decomposition	See section 11

11 TOXICOLOGICAL INFORMATION

On contact with eyes	Vapours released during curing may cause eye irritation.
On skin contact	Can irritate on prolonged or repeated contact.
If inhaled	During use and when in contact with moisture from the air, product generates small quantities of Acetic acid which irritates the skin and mucous membranes
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	After crosslinking and removal of volatile substances, product is low hazard to man and the environment. Product may emit formaldehyde vapours at temperatures above 150°C in the presence of air. Formaldehyde vapour is harmful by inhalation and irritating to eyes and respiratory system at breathing concentrations less than 1ppm.



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12 ECOLOGICAL INFORMATION

Environmental fate and distribution	Solid material, insoluble in water. No Adverse effects are predicted
Ecotoxicity effects	Low aquatic toxicity In cross-linked state insoluble in water
Bioaccumulation	No Bioaccumulation potential
Fate and effects in waste water treatment plants	No adverse effects on bacteria are predicted

13 DISPOSAL CONSIDERATIONS

Product disposal	Brown and White should be disposed of in accordance with local regulations. However, the Translucent product should be disposed of as Special Waste by incineration or landfill via a licensed waste disposal contractor. DO NOT empty product into drains
Packaging disposal	Dispose of in accordance with local regulations

14 TRANSPORT INFORMATION

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

15 REGULATORY INFORMATION

Classification as required by The Chemicals (Hazard Information & packaging for Supply) CHIP Regulations

Labeling according to EEC directive

Nature of hazard	No specific regulatory or labeling requirements
Hazard symbols	No specific regulatory or labeling requirements
R-phrases	No specific regulatory or labeling requirements
S-phrases	S24 Avoid contact with skin. S51 Use only in well-ventilated areas.
Other phrases	<i>Contains 4,5-Dichloro-2-N-Octyl-4-Iso thiazolin-3-One (<u>Translucent only</u>)</i>
EINICS	All ingredients listed or exempt



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16 OTHER INFORMATION

This product Safety Data Sheet was prepared in compliance with Commission Directive 91/155/EEC, 67/548/EEC and 1999/45/EC as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labeling of dangerous substances and preparations.

This product should only be used as stated in Hodgson Sealants Ltd. Literature. It is the responsibility of the persons in receipt of this Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in to contact with the product. If the recipient subsequently produces a formulation containing the Hodgson Sealants product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Hodgson Sealants Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with Commission Directive 1999/45/EC.

All sections of this Safety Data Sheet have been amended since the previous version.

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

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