

Material Safety Data Sheet

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SECTION 1. IDENTIFICATION OF THE PRODUCT

1.1 Product name: Sealprem MS Hi-Bond

1.2 Use: A moisture curing elastomeric sealant/adhesive for weather proofing and bonding.

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the mixture

2.1.1 Regulation EC 1272/2008
Skin sens. 1A: H317

2.2 Label elements

2.2.1 Regulation EC 1272/2008



Hazard pictograms:
Signal word: WARNING

Hazardous components to be indicated on label:

Contains: 3-(trimethoxysilyl)propylamine

Methyl(1,2,2,6,6-pentamethyl-4-piperidinyl)sebacate: May produce an allergic reaction

Hazard statements: H317: May cause an allergic skin reaction

Precautionary statements: P271: Use in well ventilated areas

P280: Wear protective clothing and gloves.

P333+313+312: If skin irritation occurs or if you feel unwell, seek medical advice

2.3 Other hazards

Results of PBT and vPvB assessment

This product does not contain any known PBT or vPvB substances

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2

Ingredient	CAS No.	EINECS	REACH registration No.	Classification According to Reg.	% W/W

Premier Sealant Systems Ltd.

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Mercia Way, Foxhills Industrial Park, Scunthorpe, DN15 8RE

Registered Office: 19 Titan Court, Luton, LU4 8LL | Registered in Cardiff No. 3000843

				(EC) 1278/2008 (CLP)	
Trimethoxy(vinyl)silane	2768-02-7	220-449-8		Flam Liq 2: H225 Acute Tox. 4: H332	0.1–3%
3-(trimethoxysilyl)propylamine	13822-56-5	237-511-5		Eye dam. 1: H318 Skin Irrit. 2: H315	<1%
N-(3-(trimethoxysilyl)propyl)ethylenediamine	1760-24-3	217-164-6		Acute Tox. 4: H332 Aquatic chronic 2: H411 Skin sens. 1: H317 Eye dam. 1: H317	<1%
Benzenepropanoic acid, 3,5,-bis(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched alkyl esters	125643-61-0	406-040-9		Aquatic chronic 4: H413	<1%
alpha-3-(3-(2H-Benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl omega-hydroxypoly(oxy-ethylen)	104810-4		N/A	Skin sens. 1: H317	<1%
alpha-3-(2H-Benzotriazol-2-yl)-5-tert-butyl 4-hydroxyphenyl)propionyl)-omega-3-(3-(2H-benzo-triazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylen)	8-2 104810-4				
	7-1				
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	255-43	N/A	Skin sens. 1A: H317 Aquatic chronic 1: H410	<1%
Methyl(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate	82919-37-7	7-1 280-06 0-4			
Dioctyltin oxide tetraethylorthosilicate	870-08-6 78-10-4	212-79 1-1 201-08 3-8	01-2119971268-27-0 00201-2119496195-2 8-xxxx	STOT SE 2: H371 Flam. Liq. 3: H226 Acute Tox. 4: H332 Eye irrit. 2: H319 STOT SE 3: H335	<1%

*for full text of Hazard statements see section 16.

SECTION 4. FIRST AID MEASURES

4.1 General: In all cases of doubt or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Skin Contact: Wash skin thoroughly with soap and water or a recognised skin cleaner. DO NOT USE SOLVENT OR THINNERS. Seek medical attention if irritation persists.

Eye Contact: Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes holding eyelids apart, and seek medical advice.

Ingestion: If accidentally swallowed wash mouth with water and give large volumes of water to

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drink. DO NOT induce vomiting. Seek medical attention.

Inhalation: Remove to fresh air. If symptoms persist, or if in doubt, seek medical attention.

4.2 Most important symptoms and effects

Skin contact: Prolonged contact may cause irritation and dry skin.

Eye contact: May affect vision. If irritation persists seek medical advice

Ingestion: Do not induce vomiting. Wash out mouth with water. Consult a doctor.

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SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media: Foam, CO₂, powder, water spray/mist.

5.2 Special Hazards: organic compound so black smoke and carbon monoxide and carbon dioxide
Will be released in a fire

5.3 Advice for firefighters: Do not allow run off from fire fighting to enter drains or water courses.
Wear self-contained breathing apparatus

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1: Personal precautions and protective equipment

Avoid skin and eye contact. Wear personnel protective equipment. Ensure adequate ventilation.

6.2: Environmental precautions

Do not allow to enter drains or water courses.

6.3: Method for containment and clean up

Contain and collect spillages and place in a suitable container for disposal in accordance with the waste regulations (see section 13). Take action to avoid static electricity discharge.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited during use. For personal protection see Section 8.

Keep away from sources of ignition. Take precautions to avoid static electricity discharge.

The Manual Handling Operations Regulations may apply to the handling of containers/packages of this product. In order to calculate the weight of any pack size, multiply the volume in litres by the specific gravity value given in section 9. This will give the net weight of the product in kilograms.

7.2 Precautions for safe storage

Keep containers closed when not in use.
Observe label precautions – Store between 5°C and 25°C. in a dry well-ventilated place away from sources of heat. Protect from frost. Keep out of reach of children. Store separately from oxidising agents and strongly acidic materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

EXPOSURE LIMITS:

Substance Occupational Exposure Limits Notations 8 hr LTEL (1) 15 min STEL(2)
ppm mgm⁻³ ppm mgm⁻³

dioctyltin oxide 0.1 (WEL) 0.2 (WEL)

(1) Long-term exposure limit – 8 hour time weighted average.

(2) Short-term exposure limit – 15 mins time weighted average.

(3) WEL - workplace exposure limit

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8.2 Exposure Controls

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Engineering Measures: Provide adequate ventilation during application and drying.

Respiratory equipment

If ventilation is insufficient suitable respiratory protective equipment must be worn.

Skin & Hand protection

Wear suitable protective clothing and plastic or rubber gloves.

Eye protection

Eye protection designed to protect against liquid splashes should be worn. Equipment should conform to EN166

Hygiene measures

When using do not eat drink or smoke. Wash hands before eating, drinking, smoking or using the toilet.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

physical state viscous paste

odour slight

flash point N/A

specific gravity Translucent - 1.0-1.05 @ 20 °C

Colours – 1.45 – 1.50 @20°C

solubility not soluble in water.

VOC (calculated) Trans:- 22g/ltr Colours: - 35g/ltr

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under normal temperature and storage conditions

10.3 Possibility of hazardous reactions

None known

10.4 Conditions to avoid

Strong acids, bases and oxidising materials

10.5 Incompatible materials

See section 10.4

10.6 Hazardous decomposition products

See section 5

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological effects not established.

Ingestion: May cause discomfort if swallowed. May cause stomach pain and nausea **Skin**

contact: May cause an allergic skin reaction

Eye contact: Risk of damage to eyes.

Inhalation: not significant

Sensitisation: Not sensitising

STOT: Not classified

SECTION 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

No data available

12.2 Persistence and degradeability

Biodegradation only slightly biodegradeable.

12.3 Bio accumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This product is not identified as a PBT/vPvB substance

12.6 Other adverse effects

Not available

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SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of this material as hazardous or special waste in accordance with local or national requirements.

SECTION 14 TRANSPORT INFORMATION

This product is not covered by International regulation on the transport of dangerous goods.

14.1 UN number: not applicable

14.2 Proper shipping name: not applicable

14.3 Transport hazard class: not applicable

14.4 Packing group: not applicable

14.5 Environmental hazards: Not classed as Marine pollutant

14.6 Special precautions for users: no. see section 7

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Not applicable

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) 1272/2008 (CLP)

Control of Substances Hazardous to Health Regulations 1999

Environment Act 1995

Management of Health and Safety at Work Regulations 1999

Personal Protective Equipment at Work Regulations 1992

Special Waste Regulations 1996 as amended

HEALTH AND SAFETY EXECUTIVE GUIDANCE NOTES

HS(G)37 An Introduction to Local Exhaust Ventilation

EH40 Occupational Exposure Limits

EH44 Dust: General Principles of Protection

HS(G)53 The Selection, Use and Maintenance of Respiratory Protective Equipment

HS(G)71 Storage of Packaged Dangerous Substances

HS(G)193 COSHH Essentials: easy steps to control chemicals

L23 Manual Handling Guidance on Regulations

BRITISH STANDARDS PUBLICATIONS

EN420: General Requirements for Gloves

EN166: Personal Eye Protection: Specifications

BS2092: Eye Protection for Industrial and Non-Industrial Users

BS4275: Recommendations for the Selection, Use and Maintenance of Respiratory Protective Equipment

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out

16/. STORAGE AND TRANSPORTATION ADVICE

STORAGE TEMPERATURE: between 5 °C and 25 °C Ambient

TRANSPORT TEMPERATURE: between 5 °C and 25 °C Ambient

LOADING/UNLOADING TEMPERATURE: Ambient

VISCOSITY (cSt): Not Applicable

STORAGE/TRANSPORT PRESSURE (kPa): Atmospheric

ELECTROSTATIC ACCUMULATION HAZARD? No, not from product, slight static charge may be developed from the removal of the release paper, if relevant use appropriate grounding procedures

USUAL SHIPPING CONTAINERS: This product can be transported by shipping container. Where possible avoid any excessive heat and prolonged exposure. Continuous exposure may impact on ease of application. Supplied in cardboard cartons.

MATERIALS AND COATINGS UNSUITABLE: None

STORAGE / HANDLING, GENERAL NOTES: Store in a cool, well-ventilated place away from incompatible materials. Do NOT remove release liner or store cartons of product near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Shelf life more than 24 months in ambient conditions.

Storage temperatures between 5 °C and 25 °C would be advisable however storage outside of these temperatures is possible hence the terms cool and ambient.

The key to keeping material fit for purpose is to keep it dry.

IF STORAGE AND TRANSPORTATION IS BELIEVED TO BE BEYOND THESE CONDITIONS PLEASE CONTACT US TO DISCUSS FURTHER.

SECTION 17. OTHER INFORMATION

Symbols and text used in sections 2 and 3

Hazard statements: H225 Highly Flammable liquid and vapour

H226 Flammable liquid and vapour

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

H332 Harmful if inhaled

H335 May cause respiratory irritation

H336 May cause drowsiness and dizziness

H371 May cause damage to the immune system

H410 Very toxic to aquatic life with long lasting effects

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H411 Toxic to aquatic life with long lasting effects

H413 May cause long lasting harmful effects to aquatic li

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 identified without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the suppliers 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 application.