

SealPrem MS Hi-Bond

1. DESCRIPTION

1.1 Product Name

SealPrem MS Hi-Bond

1.2 Use

A moisture curing elastomeric sealant/adhesive for weather proofing and bonding

1.3 Supplier

Premier Sealant Systems Ltd., Mercia Way, Foxhills Industrial Park, Scunthorpe, North Lincolnshire, DN15 8RE

T: 01724 864 100

Emergency number: 112 or 999

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to Regulation (EC) No. 1272/2008 [CLP]

Skin sensitivity 1A: H317

2.2 Label elements

Labelling according to Regulations (EC) No. 1272/2008 [CLP]:

Hazard pictograms:



Signal word: **WARNING**

Hazardous components to be indicated on label:

Contains 3-(trimethoxysilyl) propylamine Methyl (1,2,2,6,6-pentamethyl-4-piperidiny) sebacate. May produce an allergic reaction.

Hazard statements: H37 – 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

This product does not contain any known PBT or vPvB substances.

3. COMPOSITION & INFORMATION ON INGREDIENTS

3.1 Substance

Not applicable.

3.2 Mixtures

Name	CAS No.	EINECS	REACH registration No.	Classification According to Reg. (EC) 1278/2008 (CLP)	% W/W
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) 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)	104810-48-2 104810-47-1		N/A	Skin sens. 1: H317	<1%
Bis(1,2,2,6,6-pentamethyl-4-piperidiyl) sebacate Methyl(1,2,2,6,6-pentamethyl-4-piperidiny) sebacate	41556-26-7 82919-37-7	255-437-1 280-060-4	N/A	Skin sens. 1A: H317 Aquatic chronic 1: H410	<1%
Diocetyl tin oxide tetraethylorthosilicate	870-08-6 78-10-4	212-791-1 201-083-8	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%

3.2.1 Hazardous ingredients

[1] = Hazardous or environmentally harmful substance

[2] = Substance with a Community workplace exposure limit

[3] = PBT substance

[4] = vPvB substance

Full text of H- and EUH-statements: see section 15. Classification codes are explained in section 15.

4. FIRST AID MEASURES

4.1 Description of first aid measures

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

First-aid measures after inhalation:	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact:	Wash skin with plenty of water with soap or a recognized skin cleaner. DO NOT USE SOLVENT OR THINNERS.
First-aid measures after 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.
First-aid measures after ingestion:	If accidentally swallowed wash mouth with water and give large volumes of water to drink. DO NOT induce vomiting. Seek medical attention

4.2 Most important symptoms and effects, both acute and delayed

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.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

5.2 Specific Hazards

Toxic fumes may be released.

5.3 Special Fire-Fighting Procedures

None.

5.4 Fire-Fighter

A self-contained respirator and protective clothing should be worn. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool. Do not allow run off from fire-fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear proper protective equipment. Ventilate spillage area. Avoid skin and eye contact.

6.2 Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up: Take up liquid spill into absorbent material.

Other information: Dispose of materials or solid residues at an authorized site. Take action to avoid static electricity discharge.

7. HANDLING & STORAGE

7.1 Precautions for safe storage

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment. Do not empty into drains. Avoid contact with skin and eyes.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Remove contaminated clothing.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Keep away from sources of ignition. Take precautions to avoid static discharge. 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.

7.3 Specific end use(s)

Refer to the technical data sheet.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 Control parameters:

- **National occupational exposure and biological limit values**

8hr LTEL (1) 15 min STEL(2) ppm mgm-3 ppm mgm-3dioctyltin 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

Recommended monitoring procedures

No additional information available.

- **Air contaminants formed**

No additional information available.

- **DNEL and PNEC**

No additional information available.

- **Control banding**

No additional information available.

8.2 Exposure Controls

Ensure good ventilation of the work station.

8.3 Personal Protection

Respiratory	In case of insufficient ventilation, wear suitable respiratory equipment.
Skin & Body	Wear suitable protective clothing where significant skin contact can occur.
Hand Protection	Protective gloves (plastic or rubber).
Eye and face protection	Safety glasses should be worn. Should conform to EN166.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Properties

Physical state:	Liquid
Colour:	Translucent or colours
Appearance:	Paste
Odour:	Slight
Odour threshold:	Not available
Melting point:	Not applicable
Freezing point:	Not available
Boiling point:	Not available
Flammability:	Non flammable
Explosive limits:	Not available
Lower explosion limit:	Not available
Upper explosion limit:	Not available
Flash point:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
pH:	Not available
Viscosity, kinematic:	Not available

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Solubility:	Not soluble
Partition coefficient n-octanol/water (Log Kow):	Not available
Vapour pressure:	Not available
Vapour pressure at 50°C:	Not available
Density:	Not available
Relative density:	Not available
Relative vapour density at 20°C:	Not available
Particle characteristics:	Not applicable
Oxidising properties:	None

10. STABILITY & REACTIVITY

10.1 Reactivity

No data available.

10.2 Stability

Stable under normal usage conditions.

10.3 Conditions to avoid

No information available.

10.4 Incompatible materials

Strong acids, bases and oxidising materials.

10.5 Hazardous decomposition products

See section 5.

11. TOXICOLOGY INFORMATION

11.1 Acute toxicity

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.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity effects

No data available.

12.2 Persistence and degradability

Only slightly biodegradable.

12.3 Bioaccumulation

No additional information available.

12.4 Mobility in soil/Release to waters

No additional information available.

12.5 Disposal considerations

Dispose of contents/container as hazardous or special waste in accordance with local or national requirements and licensed collector's sorting instructions.

13. TRANSPORT INFORMATION

For road, marine and air transport this product is not classified as dangerous goods within the contract of National Transport Regulations.

UN. No.	Not allocated
Shipping Name	Not applicable
Class	Not classified as dangerous goods
Subsidiary Risk	Not classified as dangerous goods
Packaging Group	Not applicable
Hazchem Code	Not applicable
EPG	Not applicable
Segregation	Not applicable

14. REGULATORY INFORMATION

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

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. OTHER INFORMATION

15.1 Date of Preparation

07.01.2017

15.2 Date of Revision

25.03.2024

15.3 Reasons for Issue

New Information: SDS's are updated frequently. Please ensure you have the current copy. This SDS summaries at the date of issue our best knowledge of health and safety hazard information of the product, and in particular how to handle and use the product in the workplace. Since Premier Sealant Systems Ltd cannot anticipate or control the conditions under which the product may be Using each user must, prior to usage, review this SDS in the context to use and handling of the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact Premier Sealant Systems Ltd. Our responsibility for the product as sold is subject to our standard terms and conditions, a copy of which is sent to our customer and is also available upon request.

15.4 Other information

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)

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DMEL	Derived Minimal Effect Level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties
Full text of H- and EUH-statements:	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
EUH208	Contains trimethoxyvinylsilane(2768-02-7), 3-(2-Aminoethylamino)propyltriethoxysilane(5089-72-5). May produce an allergic reaction.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
Full text of H- and EUH-statements:	
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2