

Premseal Max-Bond

1. DESCRIPTION

1.1 Product Name

Hybrid Polymer Adhesive

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

2. HAZARDS IDENTIFICATION

2.1 Classification of the Mixture

Regulation EC 1272/2008

Skin sens. 1A: H317

2.2 Label Elements

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
P3333:313+312: If skin irritation occurs or if you
feel unwell, seek medical advice

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2.3 Other Hazards

Results of PBT and vPvB assessment: This product does not contain any known PBT or vPvB substances

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	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)	104810-48-2		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(oxyethylene)	104810-47-1				
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	255-437-1	N/A	Skin sens 1A: H317 Aquatic chronic. 1: H410	<1%
Methyl(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	82919-37-7	280-060-4			
Diocetyl tin oxide	870-08-6	212-791-1	01-2119971268-27-0002	STOT SE 2: H371	<1%
tetraethylorthosilicate	78-10-4	201-083-8	01-2119496195-28-xxxx	Flam Liq. 3: H226 Acute Tox. 4: H332 Eye Irrit. 2: H319 STOT SE 3: H335	

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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 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.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Foam, CO₂, powder, water spray/mist.

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5.2 Special Hazards

Organic compound so black smoke and carbon monoxide and carbon dioxide will be released in fire.

5.3 Advice for Firefighters

Do not allow run off from firefighting to enter drains or water courses. Wear self-contained breathing apparatus.

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.

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 next 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.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters: Exposure Limits

Substance	Occupational Exposure Limits		Notations
Dioctyltin oxide	8hr LTEL (1)	15 min STEL (2)	
	Ppm mgm^{-3}	Ppm mgm^{-3}	
	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

8.2 Exposure Controls

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.

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

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10. STABILITY & 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.

11. TOXICOLOGICAL INFORMATION

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

No data available.

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12.2 Persistence and Degradability

Biodegradation only slightly biodegradable.

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.

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

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

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.

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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

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 & 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

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British Standards Publications

EN420	General Requirements for Gloves
EN 166	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. OTHER INFORMATION

16.1 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
H411	Toxic to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life

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The information contained in the Health and Safety Data Sheet is provided in accordance with the requirements of the CLP 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.

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