

MARINEFLEX SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY SUPPLYING	
1.1. Product identifier.	Product Name: Marineflex
1.2. Relevant identified uses of the substance or mixture and uses advised against.	Identified uses: Cartridge applied sealant and adhesive. Uses advised against: Any other use than the advised purpose.
1.3. Details of the supplier of the datasheet.	Trade Sealants Ltd 34 Aston Road Waterlooville Hampshire PO7 7XQ Tel: + 44 (0)2392 251321 E-mail: info@marinemastics.com
1.4. Emergency Phone Number (UK Office Hours Only: 9am to 5pm)	Tel: + 44 (0)2392 251321 E-mail: info@marinemastics.com

SECTION 2. HAZARDOUS IDENTIFICATION	
2.1. Classification of the substance or mixture.	See SECTION 16
2.1.1. Classification according to regulation (EC) No 1272/2008 [CLP].	
2.1.2. Classification according to Directive 1999/45/EC.	This mixture does not meet the criteria for classification in accordance with directive 1999/45/EC.
2.2. Label elements.	See SECTION 16
2.2.1. Classification according to regulation (EC) No 1272/2008 [CLP].	
2.2.2. Classification according to Directive 1999/45/EC	This mixture does not meet the criteria for classification in accordance with directive 1999/45/EC.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures

Description of mixture: Homogeneous mixture of hybrid polymer, plasticiser, filler and ancillaries. Hazardous ingredients:

Name	CAS No.	EC No.	REACH Registration No.	% weight	Classification according to 67/548/EEC	Classification according to Regulation (EC) No 1278/2008 (CLP).
Triemethoxy vinylsilane	2768-02-7	220-449-8	01-2119513215-52-xxxx	<2	Xn; R10-20	Acute Tox.4; H332 Flam. Liq.3; H226
3-(Trimethoxysilyl)propylamine	13822-56-5	237-511-5	01-2119510159-45-xxxx	<1	Xi; R38-41	Eye dam.1; H318 Skin Irrit.2; H315
Di 'isononyl' Phthalate	28553-12-0	249-079-5	01-2119430798-28-xxxx	<10	Not classified component with WEL	Not classified component with WEL

Additional information: For full text of H-statements and R-phrases: see SECTION 16.

SECTION 4. FIRST AID MEASURES

<p>4.1. Description of first aid measures</p> <p>Following inhalation:</p> <p>Following skin contact:</p> <p>Following eye contact:</p> <p>Following ingestion:</p>	<p>Provide fresh air.</p> <p>Wash with plenty of soap and water for 10-15 minutes. Seek medical advice in case of irritation.</p> <p>Rinse immediately with plenty of water. Seek medical advice in case of irritation.</p> <p>Give several small portions of water to drink. Do not induce vomiting.</p>
<p>4.2. Most important symptoms and effects, both acute and delayed.</p>	<p>No further data available.</p>
<p>4.3. Indication of any immediate medical attention and special treatment needed.</p>	<p>Further toxicology information is available in SECTION 11.</p>

SECTION 5. FIREFIGHTING MEASURES	
5.1. Extinguishing media Suitable extinguishing media; Unsuitable extinguishing media;	Water mist, dry powder, alcohol-resistant foam, carbon dioxide or sand. Water spray or water jet.
5.2. Special hazards arising from the substance or mixture Hazardous combustion products;	Nitrous gases
5.3. Advice for firefighters	Use respiratory protection independent of recirculated air

SECTION 6. ACCIDENTAL RELEASE MEASURES	
6.1. Personal precautions, protective equipment and emergency procedures. 6.1.1. For non-emergency personnel. Protective equipment: Emergency procedures:	Wear personal protective equipment (see SECTION 8). Keep unprotected persons away. Avoid contact with skin and eyes. Avoid inhaling mists and vapours.
6.2. Environmental precautions:	Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers.
6.3. Methods and material for containment and cleaning up. 6.3.1. For containment:	Do not flush away with water. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner.
6.3.2. For cleaning up: 6.3.3. Other information:	No further data available.
6.4. Reference to other sections	See SECTION 8 and 13.

SECTION 7. HANDLING & STORAGE	
<p>7.1. Precautions for safe handling</p> <p>Measures to prevent fire:</p> <p>Measures to prevent aerosol and dust generation:</p> <p>Measures to protect the environment:</p>	<p>Product can evolve methanol. Flammable vapours may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging.</p> <p>Not required.</p> <p>No further data available.</p>
<p>7.2. Conditions for safe storage, including any incompatibilities.</p>	<p>Protect against moisture. Store in original container only. Keep container tightly closed and store in a cool, well ventilated place.</p>
<p>7.3. Specific end use(s).</p>	<p>Cartridge applied sealant and adhesive.</p>

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION																
<p>8.1. Control parameters</p> <p>Maximum airborne concentrations at the workplace:</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Cas No.</th> <th>Type</th> <th>Mg/m³</th> <th>ppm</th> </tr> </thead> <tbody> <tr> <td>Methanol</td> <td>67-56-1</td> <td>OEL</td> <td>266</td> <td>200</td> </tr> <tr> <td>Di 'isononyl' Phthalate</td> <td>28553-12-0</td> <td>Long term exposure. 8-hr TWA</td> <td>5</td> <td>-</td> </tr> </tbody> </table>		Name	Cas No.	Type	Mg/m ³	ppm	Methanol	67-56-1	OEL	266	200	Di 'isononyl' Phthalate	28553-12-0	Long term exposure. 8-hr TWA	5	-
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<p>8.2. Exposure control</p> <p>8.2.1. Appropriate engineering controls:</p> <p>8.2.2. Personal protection equipment</p>	<p>Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Do not eat, drink or smoke when handling. Wash hands at the end of work and before eating.</p> <p>Not normally needed.</p> <p>Wear safety glasses if contact with eyes is likely.</p>															

8.2.2.1. Eye face protection:	After handling; make sure the skin is cleaned and protected.
8.2.2.2. Skin protection:	In case of strong exposure: gas mask filter AX
8.2.2.3. Respiratory protection:	Not applicable
8.2.2.4. Thermal hazards:	Prevent material from entering surface waters or soil.
8.2.3. Environmental exposure controls:	

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

- a) Appearance: Paste
- b) Odour: Characteristic / low.
- c) Odour Threshold: No data available.
- d) pH: No data available.
- e) Melting point / freezing point: No data available.
- f) Initial boiling point and boiling range: No data available.
- g) Flash point: >200°C
- h) Evaporation rate: No data available.
- i) Flammability (solid, gas): No data available.
- j) Upper / lower flammability or explosive limits: No data available.
- k) Vapour pressure: No data available.
- l) Vapour density: No data available.
- m) Relative Density: 1.6g/ml (water =1)
- n) Solubility (ies) (water): No data available.
- o) Partition coefficient: n-octanol / water: No data available.
- p) Auto-ignition temperature: No data available.
- q) Decomposition temperature: No data available.
- r) Viscosity: 48000 mPa.s @ 23°C
- s) Explosive properties: No data available.
- t) Oxidising properties: None

9.2 Other Information:

No further data available.

SECTION 10. STABILITY & REACTIVITY	
10.1 Reactivity 10.2 Chemical stability 10.3 Possibility of Hazardous Reactions	If stored and handled in accordance with standard industrial practices no hazardous reactions are known.
10.4 Conditions to Avoid	Moisture.
10.5 Incompatible Materials	Reacts with water to produce methanol.
10.6 Hazardous decomposition products	No additional data available.

SECTION 11. TOXICOLOGICAL INFORMATION	
Acute toxicity:	Not classified. The product does not contain ingredients classified as toxic above the classification thresholds
Irritation:	Not classified. The product does not contain ingredients classified as irritant above the classification thresholds.
Corrosivity:	Not classified. The product does not contain ingredients classified as corrosive above the classification thresholds.
Sensitisation:	Not classified. The product does not contain ingredients classified as sensitising above the classification thresholds.
Repeated dose toxicity:	Not classified. The product does not contain ingredients classified as toxic above the classification thresholds.
Carcinogenicity:	Not classified. The product does not contain ingredients classified as carcinogenic above the classification thresholds.
Mutagenicity:	Not classified. The product does not contain ingredients classified as mutagenic above the classification thresholds.
Toxicity for reproduction:	Not classified. The product does not contain ingredients classified as repro. toxic above the classification thresholds
Further toxicological information:	No further data available.

SECTION 12. ECOLOGICAL INFORMATION	
12.1. Toxicity:	Not classified. The product does not contain ingredients classified as toxic above the classification thresholds.
12.2. Persistence and degradability:	Biologically not biodegradable.
12.3. Bioaccumulative potential:	No data available.
12.4. Mobility in soil:	No data available.
12.5. Results of PBT and vPvB testing:	No data available.
12.6. Other adverse effects:	Non known
12.7. Additional information:	No data available.

SECTION 13. DISPOSAL CONSIDERATIONS	
13.1. Waste treatment methods:	Observe local regulations
13.1.1. Product / packaging disposal: Waste codes / waste designations according to LoW:	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.
13.1.2. Waste treatment-relevant information:	No data available.
13.1.3. Sewage disposal-relevant information:	No data available.
13.1.4. Other disposal recommendations:	No data available.

SECTION 14. TRANSPORT INFORMATION

	Road ADR	Railway RID	Sea - IMGD Code	Air- ICAO-TI/IATA-DGR
14.1. UN Number	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing Group	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards	Not regulated	Not regulated	Not regulated	Not regulated
14.6. Special precautions for user	Not regulated	Not regulated	Not regulated	Not regulated
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code”	Not regulated	Not regulated	Not regulated	Not regulated

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture	The product has been assessed in accordance with CHIP and CLP.
15.2 Chemical Safety Assessment.	A chemical safety assessment has not been carried out.

SECTION 16. OTHER INFORMATION

Classification according to regulation (EC) No 1272/2008 [CLP].

This mixture does not meet the criteria for classification in accordance with regulation (EC) No 1272/2008 [CLP].

Label elements according to regulation (EC) No 1272/2008 [CLP].

**This mixture does not meet the criteria for classification in accordance with regulation (EC) No 1272/2008 [CLP].
Signal word; Not applicable**

Hazard statements;

Not applicable

Precautionary Statements – Prevention;

Not applicable

Precautionary Statements – Response;

Not applicable

Additional information:

Not applicable

Abbreviations / Acronyms used:

CLP – Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS# - Chemical Abstracts Service number.

PBT - Persistent, Bioaccumulative and Toxic substance.

VPvB - Very Persistent and Very Bioaccumulative.

UN - United Nations.

REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.

Relevant R-phrases and/or H-statements (number and full text):

According to Regulation (EC) No 1278/2008 (CLP/ GHS);

H332; Harmful if inhaled.

H226; Flammable liquid and vapour.

H318; Causes serious eye damage.

H315; Causes skin irritation.

According to 67/548/EEC;

R10 Flammable

R20 Harmful by inhalation

R38 Irritating to skin

R41 Risk of serious damage to eyes

This Product Safety Data Sheet was prepared in compliance with article 31 and Annex 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 Trade Sealants Ltd 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 Trade Sealants Ltd product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Trade Sealants Ltd Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with article 31 and Annex 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. Trade Sealants Ltd 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.