

Material Safety Data Sheet

Marine Elastic 1000 Membrane

Revision date: 15.12/2020
Version: 1.1

SECTION 1: Identification of the substance/preparation and of the company/undertaking

1.1. Product identifier

Trade name: Marine Elastic 1000 Membrane.

Unique Formula Identifier (UFI): None

Article no

Article no	Description
80035	Water tightening membrane

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended uses: Water tightening membrane for concrete underlayment/steel deck.

Inadvisable uses: The product is recommended for only the above described uses.

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Marlon Marine A/S
Address: Virkelyst 20
Zip code: DK-8740
City: Brædstrup
Country: DENMARK
E-mail: marlon@marlon.dk
Phone: 0045 75 75 43 00
Homepage: www.marlon-marine.com

1.4. Emergency Telephone Number

GB: +44 1215074123 (Advice and guidance) (Around the clock)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Skin Sens. 1; H317
Eye Dam 1; H318.

2.2. Label elements

Pictograms



Signal word: Warning

Hazards statements(s): May cause an allergic reaction. (H317)
Causes serious eye damage. (H318)

General: If medical advice is needed, have product container or label at hand. (P101).
Keep out of reach of children. (P102).

Prevention: Avoid breathing dust. (P261).
Wear protective gloves/eye protection. (P280).

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338)

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Storage: In dry condition

Disposal: Dispose of contents/container to an approved waste disposal plant. (P501)

SECTION 3: Composition/information on ingredients

3.1 / 3.2 Substances/Mixtures

Identification	CAS No	EC No	Content	Note	CLP classification
CaCO ₃ - Limestone	1317-65-3	215-279-6	< 30%		Not classified
Cement, aluminates	65997-16-2	266-045-5	10 -< 30%		H319
Cement, Portland	65997-16-2	266-043-4	2,5 -< 5%	E	H315, H317, H318, H335
Flue, dust from Portland cement	1317-65-3	1317-65-3	0,1 -< 0,25%	E	H315, H317, H318, H335

E = Occupational exposure limit

Other information

ATEmix (oral) > 2000

Eye Cat. 1 = Sum (Ci/S(G)CLi) = > 1 – 1.344

Eye Cat. 2 = Sum (Ci/S(G)CLi) = > 0,2688 – 0,4032

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation: If patient feels unwell move to fresh air and keep under surveillance.

Ingestion: Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

Skin contact: Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Do not use solvents.

Eye contact: Flush immediately with lukewarm water (preferably using eye wash equipment) for at least 15 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Sensitization: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure. Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes, or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

4.3. Indication of any immediate medical attention and special treatment needed

If exposed or concerned: Depending on the extent of exposure, a prolonged medical observation may be necessary.

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SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Extinguishing media: Fire can be extinguished with carbon dioxide, powder, foam or water spray.

Unsuitable extinguishing media: Do not use a direct water jet that could spread the fire.

5.2 Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, e.g., in the event of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Some metal oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

Extinguishing water that has been in contact with the product can be corrosive.

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures

Avoid direct contact with spilled substances.

6.2. Environmental precautions

No specific requirements.

6.3. Methods and material for containment and cleaning up

Collect spills carefully. Moist the material with water to prevent the formation and propagation of dust. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

Also see item 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

The product must be kept away from children. Store in a tightly closed container and in accordance with the current regulations in a dry and well-ventilated place away from food. Keep away from ignition sources, oxidizing agents and strong acidic and basic substances. No smoking and use of open fire. No admittance to unauthorized persons. Opened containers must be carefully closed and stored upright to prevent any leakage.

7.3. Specific end use(s)

This product should only be used for applications mentioned in section 1.2

Other Information: Smoking and the consumption of food and drink are not permitted in work rooms. Personal protective equipment: Refer to section 8.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit (OEL):

Cement, Portland

Long-term exposure limit (8-hour TWA reference period): - ppm | 10(inh)/4(resp) mg/m³
Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

Flue,dust,from,Portland,cement,clinker,production

Long-term exposure limit (8-hour TWA reference period): - ppm | 10 (inha)/4(res mg/m³)
Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

CaCO₃ - limestone

Long-term exposure limit (8-hour TWA reference period): - ppm | 10(inh)/4(resp) mg/m³
Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

Quartz (SiO₂)

Long-term exposure limit (8-hour TWA reference period): - ppm | 6(inhal)/2,4(re mg/m³) Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

Kaolin

Long-term exposure limit (8-hour TWA reference period): - ppm | 2 mg/m³ Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

Mineral dust, inert

Long-term exposure limit (8-hour TWA reference period): - ppm | 10 mg/m³ Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

Mineral dust, inert, respirable

Long-term exposure limit (8-hour TWA reference period): - ppm | 4 mg/m³ Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

Organic dust

Long-term exposure limit (8-hour TWA reference period): - ppm | 10(inhal)/4(res mg/m³)
Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

8.2. Exposure controls

General recommendations:	Observe general occupational hygiene standards.
Personal protective equipment: eye/face protection:	Wear safety glasses with side shields.
Personal protective equipment, Skin/hand protection:	Dedicated work clothing should be worn.
Appropriate technical measures	Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and showers are clearly marked.
Respiratory equipment:	In case of exposure to high concentration of dust use P2 filter approved according to EN 143
Environmental exposure controls:	Keep containment materials near the workplace. If possible, collect spillage during work.



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
Form	Powder
Colour	Grey
Odour	None
Odour threshold (ppm)	No data
pH	No data
Viscosity (40°C)	No data
Density (g/cm ³)	No data

Parameter	Value/unit	Remarks
Phase changes		
Melting point (°C)	No data	
Boiling point (°C)	No data	
Vapour pressure	No data	
Decomposition temperature (°C)	No data	
Evaporation rate (n-butylacetate = 100)	No data	
Data on fire and explosive hazards		
Flash point (°C)	No data	
Ignition (°C)	No data	
Auto flammability (°C)		
Explosion limits (% v/v)	No data	
Explosive properties	No data	
Solubility		
Solubility in water	Soluble	
n-octanol/water coefficient	No data	

9.2 Other information

Parameter	Value/unit	Remarks
Solubility in fat (g/L)	No data	

SECTION 10: Stability and reactivity

10.1. Reactivity

When mixed with water it will form calcium hydroxide which has a corrosive effect on skin and eyes

10.2. Chemical stability

The product is stable under the conditions, noted in the section "Handling and storage".

10.3. Possibility of hazardous reactions

No dangerous reaction known by normal use and normal conditions.

10.4. Conditions to avoid

The product cures to a hard mass by contact with water and moisture.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	Species	Test	Route of exposure	Result
CaCO ₃ - limestone	Rat	LC 50	Inhalation	> 3 mg/l
CaCO ₃ - limestone	Rat	LD 50	Dermal	> 2000 mg/l
CaCO ₃ - limestone	Rat	LD 50	Oral	> 2000 mg/l

Skin corrosion/irritation: No data available.

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitization: May cause an allergic reaction

Germ cell mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

STOT – single exposure: No data available.

STOT – repeated exposure: No data available.

Aspiration hazards: No data available.

Long term effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Species	Test	Duration	Result
CaCO ₃ - limestone	Activated sludge	NOEL	No data	100 mg/l
CaCO ₃ - limestone	Algae	EC 50	72 hours	> 14 mg/l
CaCO ₃ - limestone	Activated sludge	EC 50	3 hours	> 1000 mg/l

12.2. Persistence and degradability

No data available.

12.3. Bio accumulative potential

No data available.

12.4. Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

The mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Other adverse effects

No data available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.

Category of waste: EWC code: 10 13 06

Specific labeling: Not applicable.

Contaminated packing: Not applicable.

SECTION 14: Transport information

ADR/RID

14.1. UN-Number.: -

14.2. UN proper shipping name: -

14.3. Transport hazard class(es): -

14.4. Packing group notes: -

IMDG

UN-Number.: -

Proper shipping name: -

class: -

PG*: -

EMS: -

MP**: -

Hazards constituent:

IATA/ICAO

UN-number: -

Prober shipping name: -

Class: -

PG*: -

14.6. Special precautions for user

Irrelevant.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

No data available.

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SECTION 15: Regulatory information

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

Restriction for application

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Demand for specific education

Irrelevant

Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.
The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677. The Stationery Office, 2002.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).
Regulation (EC) 1907/2006 (REACH).

15.2. Chemical Safety Assessment

Other Information: No data available

SECTION 16: Other information

List of relevant H-statements

H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Additional label elements: Not applicable.

Other Information: In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:
The classification of the mixture is in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

Document language: GB

Version history and indication of changes

Version	Revision date	Responsible	Changes
1.0	16/05/2019	BVR	None
1.1	15/12/2020	ABL	Responsible