

## SAFETY DATA SHEET

# Marine Multi MS

SDS according to Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex II-EU

### SECTION 1: Identification of the substance / mixture and of the company / undertaking

Date issued	09.09.2019
Revision date	27.05.2024

#### 1.1. Product identifier

Product name	Marine Multi MS
Article no.	100914

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

Use of the substance / mixture	Adhesive. Sealant.
Relevant identified uses	SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen) PC1 Adhesives, Sealants PROC10 Roller application or brushing ERC5 Industrial use resulting in inclusion into or onto a matrix ERC8C Wide dispersive indoor use resulting in inclusion into or onto a matrix ERC8F Wide dispersive outdoor use resulting in inclusion into or onto a matrix

#### 1.3. Details of the supplier of the safety data sheet

Company name	Fireseal AB
Postal address	Esbogatan 14
Postcode	SE-164 74
City	Kista
Country	Sweden
Email	info@fireseal.se, andreas.bengtsson@fireseal.se

#### 1.4. Emergency telephone number

Emergency telephone	Telephone number: 112 Description: SOS.
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### SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

Substance / mixture hazardous properties	The product is not classified.
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## 2.2. Label elements

Supplemental label information	EUH 208 Contains trimetoxivinylsilan. May produce an allergic reaction. EUH 210 Safety data sheet available on request.
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## 2.3. Other hazards

Environmental effects	Not Classified as PBT/vPvB by current EU criteria.
Other hazards	This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

Composition type	Mixture: Polymer			
Substance	Identification	Classification	Contents	Notes
trimethoxyvinylsilane	CAS No.: 2768-02-7 EC No.: 220-449-8 REACH Reg. No.: 01-2119513215-52- xxxx	Flam. Liq. 3; H226 Skin Sens. 1B; H317 Acute Tox. 4; H332	≥ 0,1 < 1	1

<sup>1</sup>Substance classified with a health or environmental hazard

Description of the mixture	Sealant & adhesive based on MS-hybride-polymer
Substance comments	The full text for all hazard statements is displayed in section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation	Fresh air. Get medical attention if any discomfort continues.
Skin contact	Wash the skin immediately with soap and water.
Eye contact	Immediately rinse with water for several minutes. Get medical attention if any discomfort continues.
Ingestion	Drink plenty of water. Rinse mouth with water. Get medical attention.

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

General symptoms and effects	Treat symptomatically.
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### 4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	Extinguish with water fog. Alcohol resistant foam. Carbon dioxide (CO <sub>2</sub> ). Larger fires: Alcohol resistant foam. Water spray.
Improper extinguishing media	Waterjet.

### 5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	During fire, gases hazardous to health may be formed.
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### 5.3. Advice for firefighters

Personal protective equipment	Use personal protective equipment as required.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	Ensure good ventilation.
Personal protection measures	For personal protection, see section 8.

### 6.2. Environmental precautions

Environmental precautionary measures	Avoid discharge into drains, water courses or onto the ground.
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### 6.3. Methods and material for containment and cleaning up

Containment	For waste disposal, see section 13.
Clean up	Collect spillage.

### 6.4. Reference to other sections

Other instructions	See section 7, 8 and 13.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Handling	Observe good chemical hygiene practices. Avoid eating, drinking and smoking when using the product. Immediately change contaminated clothes. Immediately change drenched clothing.
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### 7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in tightly closed original container in a dry, cool and well-ventilated place. Store in a cool place. Keep away from food, drink and animal feeding stuffs. Protect from moisture.
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### 7.3. Specific end use(s)

Specific use(s)	The identified uses for this product are detailed in Section 1.2.
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## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

Control parameters comments	Not relevant.
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### 8.2. Exposure controls

#### Safety signs



#### Precautionary measures to prevent exposure

Appropriate engineering controls	No recommendation given.
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#### Eye / face protection

Suitable eye protection	Wear approved chemical safety goggles where eye exposure is reasonably probable.
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#### Hand protection

Suitable materials	The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Use protective gloves made of: Nitrile. Rubber (natural, latex). Polyvinyl alcohol (PVA).
Breakthrough time	Value: > 2 hour(s)
Thickness of glove material	Value: ≥ 0,4 mm

#### Skin protection

Skin protection remark	Wear suitable protective clothing as protection against splashing or contamination.
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#### Respiratory protection

Respiratory protection, comments	Under normal conditions of use respiration protection should not be required.
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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Viscous.
Colour	Varying.
Odour	Characteristic.
Odour limit	Comments: Data lacking.

pH	Comments: Data lacking.
Melting point / melting range	Comments: Data lacking.
Boiling point / boiling range	Comments: Not relevant.
Flash point	Comments: Not determined.
Evaporation rate	Comments: No information.
Flammability	Not known.
Explosion limit	Comments: Data lacking.
Vapour pressure	Comments: No data available
Vapour density	Comments: Data lacking.
Relative density	Comments: Data lacking.
Density	Value: 1,47 g/cm <sup>3</sup>
Bulk density	Comments: Data lacking.
Solubility	Medium: Water Comments: Not soluble in water.
Partition coefficient: n-octanol/ water	Comments: Data lacking.
Auto-ignition temperature	Comments: Not relevant.
Decomposition temperature	Comments: Data lacking.
Viscosity	Comments: Data lacking.
Explosive properties	Not relevant.
Oxidising properties	Does not meet the criteria for oxidising.

## 9.2. Other information

### Physical hazards

Content of VOC	Value: 0 %
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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### 10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None under normal conditions.
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### 10.4. Conditions to avoid

Conditions to avoid	No recommendation given.
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## 10.5. Incompatible materials

Materials to avoid	Not known.
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## 10.6. Hazardous decomposition products

Hazardous decomposition products	When heated, vapours/gases hazardous to health may be formed.
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## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Other information regarding health hazards

Assessment of acute toxicity, classification	No specific health warnings noted.
Assessment of skin corrosion / irritation, classification	No specific health warnings noted.
Assessment of eye damage or irritation, classification	No specific health warnings noted.
Assessment of respiratory sensitisation, classification	No specific health warnings noted.
Assessment of skin sensitisation, classification	Not a skin sensitiser. The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals after repeated contact.
Assessment of germ cell mutagenicity, classification	No specific health warnings noted.
Assessment of carcinogenicity, classification	No specific health warnings noted.
Assessment of reproductive toxicity, classification	No specific health warnings noted.
Assessment of specific target organ toxicity - single exposure, classification	No specific health hazard indicated.
Assessment of specific target organ toxicity - repeated exposure, classification	No specific health warnings noted.
Assessment of aspiration hazard, classification	No specific health warnings noted.

#### Symptoms of exposure

In case of ingestion	May irritate and cause malaise.
In case of skin contact	May cause irritation.
In case of inhalation	May cause irritation to the respiratory system.
In case of eye contact	May irritate and cause redness and pain.

### 11.2 Other information

Endocrine disruption	This product does not contain any substances considered to be endocrine
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disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecotoxicity Not classified as dangerous to the environment.

### 12.2. Persistence and degradability

Persistence and degradability description/evaluation The product is not readily biodegradable.

### 12.3. Bioaccumulative potential

Bioaccumulation, comments No information.

### 12.4. Mobility in soil

Mobility No information.

### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment Not Classified as PBT/vPvB by current EU criteria.

### 12.6. Endocrine disrupting properties

Endocrine disrupting properties This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

### 12.7. Other adverse effects

Additional ecological information No information.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Confirm disposal procedures with environmental engineer and local regulations.
EWC waste code	EWC waste code: 080410 waste adhesives and sealants other than those mentioned in 08 04 09 Classified as hazardous waste: No
EWL packing	EWC waste code: 150101 paper and cardboard packaging Classified as hazardous waste: No  EWC waste code: 150102 plastic packaging Classified as hazardous waste: No  EWC waste code: 150104 metallic packaging Classified as hazardous waste: No

## SECTION 14: Transport information

Dangerous goods	No
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### 14.1. UN number

Comments	No recommendation given.
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### 14.2. UN proper shipping name

Comments	Not relevant.
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### 14.3. Transport hazard class(es)

Comments	Not relevant.
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### 14.4. Packing group

Comments	Not relevant.
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### 14.5. Environmental hazards

ICAO/IATA	Not relevant.
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### 14.6. Special precautions for user

Special safety precautions for user	Not relevant.
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### 14.7. Maritime transport in bulk according to IMO instruments

#### ICAO/IATA Other information

Other transport, general	Not relevant.
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## SECTION 15: Regulatory information

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

Nanomaterial	No
Legislation and regulations	<p>Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.</p> <p>Regulation (EC) No 1272/2008 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 (REACH).</p>

### 15.2. Chemical safety assessment



Chemical safety assessment performed	No
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## SECTION 16: Other information

Supplier's notes	The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.
List of relevant H-phrases (Section 2 and 3)	H226 Flammable liquid and vapour. H317 May cause an allergic skin reaction. H332 Harmful if inhaled.
Key literature references and sources for data	MSDS supplied by the manufacturer
Last update date	16.05.2023
Version	2