

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Epoxy Stick Stahl

Material number EST

Revision date: 14/2/2018 Version: 6

Language: en-GB,IE Date of print: 20/2/2018

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

1.1 Product identifier

Trade name: Fauna Marin Coral Kit Art.Nr. 17030 114 gr.

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

General use: Adhesive for Corals in Reefaquarium

1.3 Details of the supplier of the safety data sheet

Company name: FAUNA MARIN GmbH
Street/POB-No.: Gottlieb-Binder-Strasse 9
Postal Code, city: 71088 Holzgerlingen
WWW: www.faunamarin.de
E-mail: info@faunamarin.de
Telephone: +49 (0)7031-613680-0

Telefax: --

Dept. responsible for information: ICP Laboratory / Developtmentcenter: labor@faunamarin.de

1.4 Emergency telephone number:

Giftnotrufzentrale Mainz, Germany (06131 19240) 24 h Fauna Marin GmbH -- +497031 6136800 10.00 - 16.00 MEZ

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Skin Irrit. 2; H315

Eye Irrit. 2; H319

Skin Sens. 1; H317

Aquatic Chronic 3; H412

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (CLP)



Signal word:

Warning

Hazard statements: H315 Causes skin irritation.

H319 Causes serious eye irritation. H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.



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Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection.

P302+P352 IF ON SKIN: Wash with plenty of water/soap.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container to hazardous or special waste collection point.

Special labelling:

EUH205 Contains epoxy constituents. May produce an allergic reaction.

Contains Reaction product with Bisphenol-A-(epichlorhydrin) epoxy resin (molecular weight <=700) and Reaction products of pentaerythritol, propoxylated and 1-chloro-2,3-epoxypropane with hydrogen sulfide. See information supplied by the manufacturer.

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Results of PBT

and vPvB assessment: No data available

SECTION 3: Composition / information on ingredients

3.1 Substances not applicable

3.2 Mixtures

Chemical characterisation: Mixture of the substances listed below with non-hazardous additions.

Hazardous ingredients:

Ingredient	Designation	Content	Classification
EC No. 500-033-5 CAS 25068-38-6	Reaction product with Bisphenol-A-(epichlorhydrin) epoxy resin (molecular weight <=700)	10 - 20 %	Skin Irrit. 2; H315. Eye Irrit. 2; H319. Skin Sens. 1; H317. Aquatic Chronic 2; H411.
REACH 01-2120118957-46-xxxx EC No. 701-196-7	Reaction products of pentaerythritol, propoxylated and 1-chloro-2,3-epoxypropane with hydrogen sulfide		Skin Sens. 1; H317. Aquatic Chronic 3; H412.
EC No. 231-096-4 CAS 7439-89-6	Iron, powdery	< 10 %	Flam. Sol. 2; H228.
EC No. 202-013-9 CAS 90-72-2	2,4,6-tris (Dimethylaminomethyl)	< 5 %	Acute Tox. 4; H302. Skin Irrit. 2; H315. Eye Irrit. 2; H319.

Full text of H- and EUH-statements: see section 16.

Additional information: Contains Talcum, Limestone, Carbon black and Titanium dioxide: The maximum workplace exposure limits are,

where necessary, listed in section 8.



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SECTION 4: First aid measures

4.1 Description of first aid measures

General information: First aider: Pay attention to self-protection!

> If medical advice is needed, have product container or label at hand. Take off immediately all contaminated clothing and wash it before reuse.

In case of inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Seek medical attention if problems persist.

Immediately clean with water and soap followed by thorough rinsing. Following skin contact:

In case of skin reactions, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.

Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently seek the immediate attention of an ophthalmologist.

After swallowing: Rinse mouth immediately and drink plenty of water.

Never give anything by mouth to an unconscious person.

Do not induce vomiting.

Immediately get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation.

May cause an allergic skin reaction. Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Extinguishing media which must Water fog, extinguishing powder, foam, Carbon dioxide.

not be used for safety reasons: Full water jet.

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Metallic oxides, hydrogen chloride, nitrogen oxides (NOx), sulphur oxides, carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment

for firefighters: Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information: Hazchem-Code: -

Use fine water spray to cool endangered containers.

Do not allow water used to extinguish fire to enter drains, ground or waterways. Fire residuals and contaminated extinguishing water must be disposed of in accordance

with the regulations of the local authorities.



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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe dusts or mists. Avoid contact with the substance. If possible, eliminate leakage. Provide adequate ventilation.

Wear appropriate protective equipment. Take off immediately all contaminated clothing and wash it before reuse. Keep unprotected people away.

6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains. If necessary notify appropriate authorities.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.

Never return spills in original containers for re-use.

Additional information: Special danger of slipping by leaking/spilling product.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe dusts or mists. Do not get in eyes,

on skin, or on clothing. Wear appropriate protective equipment. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off immediately all contaminated clothing and wash it

before reuse. Have eye wash bottle or eye rinse ready at work place.

Precautions against fire and explosion:

 ${\sf Keep\ away\ from\ heat}.$

When handling larger quantities, take precautionary measures against electrostatic charging.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms

and containers: Keep container tightly closed and in a well-ventilated place.

Keep container dry.

Keep only in the original container. Protect from heat and direct sunlight. Store containers in upright position.

Hints on joint storage: Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s):

No information available.



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Туре	Limit value
1317-65-3	Limestone	Great Britain: WEL-TWA Great Britain: WEL-TWA Ireland: 8 hours Ireland: 8 hours	10 mg/m³ (inhalable fraction) 4 mg/m³ (respirable fraction) 10 mg/m³ (inhalable fraction) 4 mg/m³ (respirable fraction)
14807-96-6	Talcum	Great Britain: WEL-TWA Ireland: 8 hours Ireland: 8 hours	1 mg/m³ (respirable fraction) 0.8 mg/m³ (respirable fraction) 10 mg/m³ (inhalable fraction)
1333-86-4	Carbon	Great Britain: WEL-STEL Great Britain: WEL-TWA Ireland: 8 hours	7 mg/m³ 3.5 mg/m³ 3 mg/m³ (inhalable fraction)
13463-67-7	Titanium dioxide	Great Britain: WEL-TWA Great Britain: WEL-TWA Ireland: 8 hours Ireland: 8 hours	10 mg/m³ (inhalable fraction) 4 mg/m³ (respirable fraction) 10 mg/m³ (inhalable fraction) 4 mg/m³ (respirable fra

8.2 Exposure controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment.

Personal protection equipment

Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded.

In case of inadequate ventilation wear respiratory protection.

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Recommendation: Use filter type A-P2 according to EN 14387.

Hand protection: Protective gloves according to EN 374.

Glove material: PVC or polyethylene Breakthrough time: > 480 min.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Tightly sealed goggles according to EN 166. Eye protection:

Body protection: Wear suitable protective clothing.

General protection

Do not breathe dusts or mists. Do not get in eyes, on skin, or on clothing. and hygiene measures:

Take off immediately all contaminated clothing and wash it before reuse.

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

Have eye wash bottle or eye rinse ready at work place.

Environmental exposure controls

Do not allow to enter into ground-water, surface water or drains.



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Form: Pasty Colour: Grey

Odour: Characteristic Odour threshold: No data available

pH value: No data available Melting point/freezing point: Not applicable Initial boiling point and boiling range: Not determine Flash point/flash point range: 100 °C Evaporation rate: No data available

Flammability: Not determined

Explosion limits: LEL (Lower Explosion Limit): Not applicable UEL (Upper Explosive Limit): Not applicable

No data available Vapour pressure: Vapour density: No data available Density: $1.85 \, g/mL$ Water solubility: practically insoluble

n-octanol/water: No data available Partition coefficient:

Not determined Auto-ignition temperature: Decomposition temperature: No data available No data available Viscosity, kinematic: Explosive properties: Product is not explosive. Oxidizing characteristics: No data available

9.2 Other information

Additional information: No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Refer to subsection "Possilbility of hazardous reactions".

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames. Protect against direct sunlight.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No decomposition when used properly.

Thermal decomposition: No data available



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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects: Acute toxicity (oral): Based on available data, the classification criteria are not met.

Acute toxicity (dermal): Based on available data, the classification criteria are not met. Acute toxicity (inhalative): Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Skin Irrit. 2; H315 = Causes skin irritation.

Serious eye damage/irritation: Eye Irrit. 2; H319 = Causes serious eye irritation.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Skin Sens. 1; H317 = May cause an allergic skin reaction.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data. Reproductive toxicity: Lack of data. Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data. Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

Symptoms After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability Further details: No data available

12.3 Bioaccumulative potential Partition coefficient:

n-octanol/water: No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.



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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 08 04 09* = Waste adhesives and sealants containing organic solvents or other dangerous substances

> MFSU = manufacture, formulation, supply and use * = Evidence for disposal must be provided.

Recommendation: Do not dispose of with household waste.

Do not allow to enter into ground-water, surface water or drains.

Dispose of waste according to applicable legislation. Incinerate as hazardous

waste according to applicable local, state, and federal regulations.

Contaminated packaging

Recommendation: Incinerate as hazardous waste according to applicable local, state, and federal regulations.

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

14.1 UN number

ADR/RID, IMDG, IATA-DGR: not applicable

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR: Not restricted

14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR: not applicable

14.4 Packing group

ADR/RID, IMDG, IATA-DGR: not applicable

14.5 Environmental hazards

Marine pollutant:

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

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

National regulations - Great Britain

Hazchem-Code:

No data available

National regulations - EC member states Labelling of packaging with <= 125mL content



Signal word:

Warnina

Hazard statements:

H317 May cause an allergic skin reaction.

H412

Harmful to aquatic life with long lasting effects.

Precautionary statements:

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

P280

Wear protective gloves/protective clothing/eye protection.

P302+P352

IF ON SKIN: Wash with plenty of water/soap. P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Further information

Wording of the H-phrases under paragraph 2 and 3:

H228 = Flammable solid.

H302 = Harmful if swallowed.

H315 = Causes skin irritation.

H317 = May cause an allergic skin reaction.

H319 = Causes serious eye irritation.

H411 = Toxic to aquatic life with long lasting effects. H412 = Harmful to aquatic life with long lasting effects.

EUH205 = Contains epoxy constituents. May produce an allergic reaction.

Reason of change: Changes in section 2: Labelling (P-phrases: EU, ATP 8)

Changes in section 3: Composition / Information on ingredients

Changes in section 15: Regulatory information

General revision

28/5/2013 Date of first version:

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information



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For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.