



Fauna Marin GmbH
Gottlieb Binderstrasse 9
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MATERIAL SAFETY DATA SHEET

Manufacturer:

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SECTION 1: Product Identification

- 1.1 Product name:** Fauna Marin Elementals B
- 1.2 Description:** Additive for seawateraquarium
- 1.3 Package content:** 1000 ml
- 1.4 Product no.** 11510
- 1.5 Recommended use** for ornamental marine aquarium use
- 1.6 Restrictions of use** for aquarium use only. Keep away from children.
Not use for food production.
- 1.7 Use of substances** Aquarium Additive -- water treatment in seawater aquarium
- 1.8 Product form** liquid

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 (CLP)

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/ EC.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Signal word not required

Pictograms not required

2.3 Other hazards not contributing to the classification


Spilled product increases the risk of skidding

SECTION 3 Composition/Information on ingredients

Ingredients	Product identifier	Percent	Hazardous
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Substance type :

Water	921-60-8	95-98 %	No
Boric Acid	10043-35-3	2-5 %	Yes

Name of substance	Identifier	wt%	Classification acc. to 1272/2008/EC	Pictograms	Specific Conc. Limits
Boric acid	CAS No 10043-35-3 EC No 233-139-2 Index No 005-007-00-2 REACH Reg. No 01-2119486683-25-xxxx	3 - < 5,5	Repr. 1B / H360FD		Repr. 1B; H360FD: C ≥ 5,5 %

SECTION 4: First aid measures

4.1 Description of first aid measures

General:	Never give anything by mouth to an unconscious person. If feel unwell, seek a medical advice and show the label where possible , take off contaminated clothing.
Inhalation:	Provide fresh air. In all cases seek medical advice
Skin contact: with	Remove affected clothing and wash all exposed skin area soap and water, followed by warm water rinse.
Ingestion:	Rinse mouth, induce vomiting obtain medical attention.
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses. If eye irritation persists get medical advice

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

Can cause irritant effects

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Fire fighting measures

5.1. Fire Extinguishing Media

Suitable extinguishing media: Dry chemical foam. Carbon dioxide, water.

Unsuitable extinguishing media: Do not use heavy water stream.

5.2. Special hazards arising from the substances

No additional information available.

5.3. Advice for firefighters

Firefighting instructions Use water spray or fog for cooling exposed containers

Protection during firefighting Do not enter fire area without proper equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures

For non-emergency personnel

Protective equipment: no additional information available

Emergency procedures: no additional information available

For emergency personnel

Protective equipment: wear gloves for clean up

Emergency procedures: floor can be slippery mark area with information signs

6.2. Environmental precautions

Prevent entry to sewers and public water in large amounts.

Notify authorities if big amounts (more than 50 Liter (26USgal)) enter sewers or public waters.

6.3. Methods and material for containment and clean up

Shovel into suitable containers.

6.4. Reference to other sections

See Heading 8 Exposure controls and personal protection

SECTION 7: Handling and storage

Precautions for safe handling:	wash hands and other exposed are with mild soap and water before leaving work.
Hygiene measures:	Wash exposed skin thoroughly after handling or wear protective gloves.

7.1. Conditions for safe storage, including any incompatibilities


Storage conditions	Keep container closed when not in use. Use within 9 month after production date.
Incompatible products	no additional information available
Incompatible materials	direct sunlight, temperatures over 35 °Celsius (°F 105)

SECTION 8: Exposures controls/personal protection

8.1. control parameters

No additional information available

8.2. exposure controls

Appropriate engineering controls	No data available	
Personal protective equipment	safety gloves	
Eye protection	Eye protection not required under normal conditions	
Respiratory protection	Respiratory protection not required under normal conditions	
Other information	Do not eat, drink or smoke during use. Keep away from children.	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Appearance:	liquid
Color	colourless
Odor:	slightly acid
pH:	pH 5,5
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Relative evaporation rate	No data available
Flamability (solid, gas)	No flammable
Vapor pressure	No data available
Relative vapor density at (20°C)	No data available
Relative density	No data available
Specific gravity	1,003g/cm ³
Molecular mass	No data available
Solubility:	No data available
Log Pow	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity kinematic	No data available
Viscosity dynamic	No data available
Explosion limits	No data available
Explosion properties	No data available
Oxidizing properties	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

This material is not reactive under normal ambient conditions.

10.2. chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3. Possibility of hazard reactions

No known hazardous reactions

10.4. Conditions to avoid

No direct sunlight. Extreme high and low temperatures

10.5. Incompatibles materials

No data available

10.6. Hazardous decomposition products

In case of fire and/or explosion do not breathe fumes

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure	Skin and eye contact inhalation
Acute toxicity	Not classified
Skin irritation	Not classified
Serious eye damage	Not classified
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity single use	Not classified
Specific target organ toxicity multiple use	Not classified
Aspiration hazard	Not classified
Potential adverse human health effects	Not classified
Symptoms after eye contact	Cause serious eye irritation

SECTION 12: Ecological information

12.1. Toxicity

acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment

12.2. Persistence and degradability

The methods for determining the biological degradability are not applicable to inorganic substances.

12.3. Bioaccumulate potential

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
Boric acid	10043-35-3		-1,09 (pH value: 7,5, 22 °C)	

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	dispose in household waste with local regulations
Ecological – waste materials	Avoid release to the environment

SECTION 14: Transport information

14.1	UN number	(not subject to transport regulations)
14.2	UN proper shipping name	(not relevant)
14.3	Transport hazard class(es) Class	(not relevant) -
14.4	Packing group	not relevant not assigned to a packing group
14.5	Environmental hazards	none (non-environmentally hazardous acc. to the danger-ous goods regulations)
14.6	Special precautions for use	No additional information
14.7	Transport in bulk according to Annex II of MARPOL and the IBC Code The cargo is not intended to be carried in bulk.	
14.8	Information for each of the UN Model Regulations Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) Not subject to ADR, RID and ADN. <ul style="list-style-type: none"> • International Maritime Dangerous Goods Code (IMDG) Not subject to IMDG. • International Civil Aviation Organization (ICAO-IATA/DGR) Not subject to ICAO-IATA. • International Maritime Dangerous Goods Code (IMDG) Not subject to IMDG. • International Civil Aviation Organization (ICAO-IATA/DGR) Not subject to ICAO-IATA. 	

SECTION 15: Regulatory information

15.1. International regulations

EEC DIRECTIVE	SAFETY DATA D.91/155/EEC amended by D.93/112/EEC: Dangerous substance and preparations.
EC CLASSIFICATION	DANGEROUS PREPARATIONS D.88/379/EEC amended by D.93/18/EEC (3rd ATP)

Not classified as dangerous.

INVENTORIES

EINECS(EC)	Conforms
ENCS(Japan)	Conforms
CEPA (Canada)	All substances are listed under the DSL or not required listed
WHMIS (Canada)	Not a controlled product under this directive

SECTION 16: Other information

Revision Date	Dec, 6. 2018
Other Information	none
Type of use	For use in marine ornamental aquarium systems only

Please contact info@faunamarin.de for updated MSDS