



Fauna Marin GmbH
Gottlieb Binderstrasse 9
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MATERIAL SAFETY DATA SHEET

Manufacturer:

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According Federal Register /Vol. 77, No. 58 March 26 2012 / Rules and Regulations

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SECTION 1: Product Identification

- 1.1 Product name:** Fauna Marin Elementals Trace Fe
- 1.2 Description:** Additive for seawateraquarium
- 1.3 Package content:** 250 ml 5000 ml
- 1.4 Product no.** 15010, 15010-5
- 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** clear solution

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture:

R - classification	None
S - classification	None

2.2 Label elements

None

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 :	The product is a mixture of Trace Element in Water main ingredient is Water
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Ingredient	CAS	Percent	Hazardous
Water	77 32 - 18 - 5	99,9 %	No
Irongluconate	22830-45-1	< 0,02 %	No

Hazardous material according directive 67/548/EWG	no classification
Hazardous material according directive (EG) Nr. 1272/2008	no classification

Not classified as dangerous.

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
Inhalation:	None
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 slightly eye irritation

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) entry sewers or public waters.

6.3. Methods and material for containment and clean up

Shovel into suitable containers.

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 36 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	no color
Odor:	slightly vinegar
pH:	pH 2
Melting point	No data available
Freezing point	- 2 °C
Boiling point	103 ° C
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	1,0025 g/cm ³
Molecular mass	No data available
Solubility:	No date 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

No additional information available

10.2. chemical stability

Stable under normal conditions.

10.3. Possibility of hazard reactions

Not established

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

No hazardous decomposition products possible.

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 slightly eye irritation

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

100 % biological degradable max time 6 Weeks in soil and water

12.3. Bioaccumulate potential

No bioaccumulate potential

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. Department of transportation (DOT)

NOT hazardous as defined by

(1) the U.S. Department of Transportation (49 CFR 172.101), (2) per regulations of Transport Canada, (3) per the International Air Transport Association, (4) per rules of the International Maritime Organization, (5) per the Economic Commission for Europe (European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR)). Additionally, this product is NOT classified as a Marine Pollutant as defined by 49 CFR 172.101 Appendix B, U.S. Department of Transportation). When transporting, confirm no leakage from containers. When loading, prevent containers from failing, dropping or damaging. Take preventative measures against collapse.

SECTION 15: Regulatory information

15.1. US Federal regulations

Water, Irongluconate

listed on the United States TSCA (Toxic Substances Control Act) inventory.

15.2. US State regulations

California Proposition	This product does not contain any substances known to the state of California to cause cancer, development and/or reproductive harm.
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15.3. 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. 2019
Other Information	none
Type of use	For use in marine ornamental aquarium systems only

Please contact info@faunamarin.de for updated MSDS