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MATERIAL SAFETY DATA SHEET

Manufacturer: Fauna Marin GmbH
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Emergency Call: +49(06131 19240
(Toxic Information Office Mainz)
24 h German and english
Mail: info@faunmarin.de

Emergency Call North America
CHEMTREC 1-800-424-9300

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

SECTION 1: Product Identification

1.1 Product name: Fauna Marin Calcium Mix

1.2 Description: Calcium salt for Seawater Aquarium Water Treatment

1.3 Package content: 1kg , 2 kg , 4 kg , 25 kg Jar

1.4 Product no. 14205,14230,14235,14235-25

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 For water treatment in seawater aquaria

1.8 Product form white salt

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture:

H - classification (GHS-US)	H 319 Cause serious eye irritation
P - classification (GHS-US)	P264 - Wash exposed skin thoroughly after handling
	P280 - Wear protective gloves, eye protection
	P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
	P337+P313 - If eye irritation persists: Get medical advice/attention

2.2 Label elements

GHS US labeling



GHS07

Signalword

Warning

2.3 Other hazards not contributing to the classification

none under normal conditions.

2.4 Unknown acute toxicity

not applicable

SECTION 3
Composition/Information on ingredients

3.1 Substances

Ingredients	Product identifier	Percent	Hazardous
Substance type :	white salt small grain size under 1 mm		
Calcium Chloride Dihydrate 1	CAS No 10034 - 04 – 8	102 %	

3.2 Mixtures

not applicable

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:	Allow victim to breath fresh air. Allow victim to rest
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. Do not induce vomiting !
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 serious eye irritation

4.3 Indication of any immediate medical attention and special treatment needed

Obtain medical assistance

SECTION 5: Fire fighting measures

5.1. Fire Extinguishing Media

Suitable extinguishing media: Dry chemical foam, carbon dioxide, water spray, sand

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 protective equipment. Use respiratory equipment

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures

For non-emergency personnel

Protective equipment: safety glass, gloves
Emergency procedures: Evacuate unnecessary personnel

For emergency responders

Protective equipment: wear gloves for clean up
Emergency procedures: floor can be slippery mark area with information signs
ventilate Area

6.2. Environmental precautions

Prevent entry to sewers and public water in large amounts.
Notify authorities if liquid or salt entry sewers or public waters.

6.3. Methods and material for containment and clean up

land, sweep or shovel into suitable containers. Minimize generation of dust.
Store away from other materials

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. Provide good ventilation in process area, to prevent formation of vapor.

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 12 month after production date.

Incompatible products nsilver nitrate, strong acids

Incompatible materials direct sunlight, sources of ignition

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, safety glass



Eye protection

Respiratory protection

Eye 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:	Solid .
Appearance:	White powder
Colour	White
Odour:	No odour
pH:	No data available
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
Flammability (solid, gas)	Not flammable
Vapour pressure	No data available
Relative vapour density at (20°C)	No data available
Relative density	No data available
Specific gravity	0,835 g/cm ³
Molecular mass	147,02g/mol
Solubility:	Water 977g/1000 ml Ethanol 50g/1000 ml
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

Strong Acids, silver nitrate.

10.6. Hazadous decomposition products

Hydrogen chloride

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure	Skin and eye contact irritation
Acute toxicity	Not classified
Skin irritation	Not classified
Serious eye damage	Causes serious eye irritation
Respiratory or skin sensitization	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	Based on available data, the classification are not met
Symptoms after eye contact	Cause serious eye irritation

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

not established

12.3. Bioaccumulate potential

not established

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 a safe manner in accordance with local/national regulations.

Ecological – waste materials Avoid release to the environment

SECTION 14: Transport information

14.1. Department of transportation (DOT)

In accordance with DOT

Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

Calcium Chloride Dihydrate	CAS 10035-04-8	102%
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Not listed on the United States TSCA (Toxic Substances Control Act) inventory.

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

15.2. US State regulations

California Proposition 65	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
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ENCS(Japan)	Conforms
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CEPA (Canada)	All substances are listed under the DSL or not required listed
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WHMIS (Canada)	Not a controlled product under this directive
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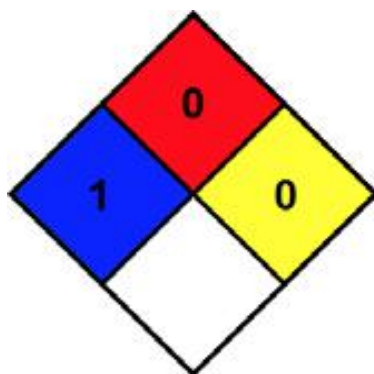
SECTION 16: Other information

Revision Date	Dec, 3 2016
Other Information	none

Type of use	For use in marine ornamental aquarium systems only
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Full Text of H-phrases Section 16

H319	Cause serious eye irritation
NFPA health hazard	1 - Materials that, under emergency conditions, can cause significant irritation.
NFPA fire hazard	0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
NFPA reactivity	0 - Material that in themselves are normally stable, even under fire conditions



Calcium Chloride, Dihydrate

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

HMIS III Rating

Health	1 Slight Hazard - Irritation or minor reversible injury possible
Flammability	0 Minimal Hazard - Materials that will not burn
Physical	0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives
Personal protection	A – safety glass

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