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MATERIAL SAFETY DATA SHEET

Fauna Marin Magnesium Mix

Magnesium Salt mixture for Reef Tanks

Manufacturer:

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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 Magnesium Mix
- 1.2 Description:** Magnesium salt for seawater aquarium water treatment
- 1.3 Package content:** 1kg , 2 kg , 4 kg , 25 kg Jar
- 1.4 Product no.** 14210,14215,14240,14240-25
- 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 not classified
(GHS-US)

P - classification not classified
(GHS-US)

2.2 Label elements

GHS US labeling

No labeling applicable

2.3 Other hazards not contributing to the classification

none under normal conditions.

2.4 Unknown acute toxicity (GHS-US)

no data available

SECTION 3 Composition/Information on ingredients

3.1 Substances

Ingredients	Product identifier	Percent	Hazardous
Substance type :	white salt small grain size under 1 mm		
Magnesium Chloride , Hexahydrate (main constituent)	CAS No 10034 - 04 – 8	99,5%	No

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

Not expected to prevent a significant hazard under anticipated conditions of normal use.

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 a 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. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.
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 and exposure controls and personal protection

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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 vapour
Hygiene measures:	Wash exposed skin thoroughly after handling or wear

protective gloves.

7.2. 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	silver nitrate, strong acids
Incompatible materials	direct sunlight, sources of ignition

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposures controls/personal protection

8.1. control parameters

No additional information available

8.2. exposure controls

Appropriate engineering controls	Emergency eyewash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation.
Personal protective equipment	safety gloves, safety glass



Eye protection	Eye protection
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:	Solid .
Appearance:	White powder
Color	White
Odor:	No odour
pH:	No data available
Melting point	116-118 °C (240-243 °F)
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Relative evaporation rate	No data available
Flamability (solid, gas)	Not flammable :
Vapor pressure	No data available
Relative vapor density at (20°C)	No data available
Density	1,569 g/cm ³
Specific gravity	No data available
Molecular mass	202.3g/mol
Solubility:	Water 2.350g/1000 ml
	No data available
Log Pow	No data available
Auto-ignition temperature	No data available
Decomposition temperature	116-118 °C (240-243 °F)
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. Hazardous decomposition products

Hydrogen Chloride

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure	Not classified
Acute toxicity	Not classified
Skin irritation	Not classified
Serious eye damage	Not classified
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	Not classified

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

No dangerous good in sense of transport regulations

14.2. Additional information

No additional Information

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

Canada Inventories

CEPA (Canada) Not listed on the canadian DSL inventory

WHMIS (Canada) Not a controlled product under this directive

**SECTION 16:
Other information**

Revision Date Dec, 3 2016

Other Information none

Type of use For use in marine ornamental aquarium systems only

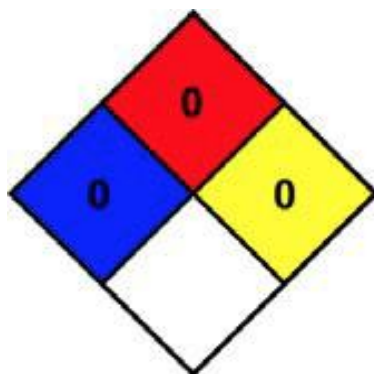
Full Text of H-phrases Section 16

other information No other Information

NFPA health hazard 0 – Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard 0 - Materials that will not burn

NFPA reactivity 0 - Material that in themselves are normally stable, even under fire conditions. Not reactive with water



Magnesium Chloride Hexahydrate

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

HMIS III Rating

Health	0 Minimal Hazard – No significant risk to health
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

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