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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 Phos

1.2 Description: Phosphate Remover Seawater Aquarium Water Treatment

1.3 Package content: 400gr., 800 gr., 1600gr., 4400 gr., 25 kg bulk

1.4 Product no. 12005, 12010, 12015, 12020

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 granule 0,5-3 mm

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture:

H - classification (GHS-US) not applicable

P - classification (GHS-US) not applicable

2.2 Label elements

GHS US labeling

not applicable

Signalword

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 granule < 3 mm	100%	0
Aluminiumoxyde	CAS No 1344-28-1	99,995 %	0
Formula:	AL2O3		
EG Nr.:	215-691-6		

3.2 Mixtures

not applicable

SECTION 4: First aid measures

2.1. 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.
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

no symptoms known

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: Aluminiumoxid is non-combustible. All commonly available extinguishing media can be used.

Unsuitable extinguishing media: N/A

5.2. Special hazards arising from the substances

Fire Hazard: None know

Explosion Hazard: N/A

Reactivity: N/A

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. Enviromental preauctions

Prevent entry to sewers and public water in large amounts.
Notify authorities if high ammounts 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: Precautions for safe handling: Avoid contact with eyes.

Hygiene measures: Wash exposed skin thoroughly after handling or wear protective gloves.

7.1. Conditions for safe storage, including any incompatibilities

Storage conditions Storage conditions: Protect containers from physical damage. Store in dry, cool, well-ventilated area. Store away from strong oxidizers, strong acids, ignition sources, combustible materials, and heat. An adequate air gap between packages is recommended to reduce propagation in the case of fire..

Incompatible products N/A

Incompatible materials N/A

SECTION 8: Exposures controls/personal protection

8.1. control parameters

Airborne Exposure Limits: Alumina (Aluminum Oxide): -OSHA Permissible Exposure Limit (PEL): alpha alumina, 15 mg/m³ total dust, 5 mg/m³ respirable fraction -ACGIH Threshold Limit Value (TLV): aluminum oxide, 10 mg/m³ (TWA) inhalable (total) particulate matter containing no asbestos and < 1% crystalline silica, A4

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved):

I If the exposure limit is exceeded and engineering controls are not feasible, a half facepiece particulate respirator (NIOSH type N95 or better filters) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest.. A full-face piece particulate respirator (NIOSH type N100 filters) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eye Protection:

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

8.2. exposure controls

Appropriate engineering controls	Local exhaust and general ventilation must be adequate to meet exposure standards Hand Protection: None required under normal product handling conditions Eye Protection: safety glasses Skin and body protection: Wear suitable working clothes Respiratory protection: If airborne concentrations are
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above the applicable exposure limits, use
NIOSH approved respiratory protection

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:	Dewatered solid
Appearance:	particulate
Colour	white
Odour:	No odour
pH:	7-8
Melting point	2050°C
Freezing point	No data available
Boiling point	2980°C
Flash point	No data available
Relative evaporation rate	No data available
Flammability (solid, gas)	no data available
Vapour pressure	No data available
Relative vapour density at (20°C)	No data available
Relative density	No data available
Specific gravity	3,94 g/cm ³
Molecular mass	No data available
Solubility:	not soluble not soluble
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

Contact with strong oxidizers such as ozone, liquid oxygen, chlorine, etc. may result in fire

10.2. chemical stability

Stable under normal conditions.

10.3. Possibility of hazard reactions

Not established

10.4. Conditions to avoid

None

10.5. Incompatibles materials

Strong oxidizing and reducing agents such as ozone, liquid oxygen or chlorine.

10.6. Hazardous decomposition products

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	May Cause eye irritation
Respiratory or skin sensitization	May cause respiratory irritation
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 eye irritation

SECTION 12: Ecological information

12.1. Toxicity

The Material is not toxic

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

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.
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Ecological – waste materials	Avoid release to the environment
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SECTION 14: Transport information

14.1. Department of transportation (DOT)

In accordance with DOT/ADR/RID/ADNR/IMDG/ICAO/IATA

SECTION 15: Regulatory information

15.1. US Federal regulations

Aluminiumoxide	CAS No 1344-28-1	100%
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not listed on the United States TSCA (Toxic Substances Control Act) inventory.

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	No classification
EC CLASSIFICATION	No classification

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
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Other Information	none
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Type of use	For use in marine ornamental aquarium systems only
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NFPA health hazard	0 - Materials that, under emergency conditions, can cause 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

Aluminiumoxide

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

HMIS III Rating

Health	0 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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