



Fauna Marin GmbH  
Gottlieb Binderstrasse 9  
D-71088 Holzgerlingen

## 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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Emergency Call: +49(06131 19240  
( Toxic Information Office Mainz )  
24 h German and english  
Mail: info@faunamarin.de

### SECTION 1: Product Identification

- 1.1 Product name:** Fauna Marin Bacto Reef Blend
- 1.2 Description:** Additive for seawateraquarium
- 1.3 Package content:** 250 ml , 500 ml, 1000 ml , 5000 ml
- 1.4 Product no.** 14145, 14150, 14155, 14155-5
- 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** turbid liquid water

## 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

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## SECTION 3 Composition/Information on ingredients

Ingredients	Product identifier	Percent	Hazardous
<b>Substance type :</b>	<b>The product is a mixture of Nitrobacter sp. and Nitrosomas sp. denitrifying bacteria</b>		
<b>Bacteria Mix</b>	<b>no CAS</b>	<b>22,5 %</b>	<b>No</b>
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)) 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:	like water
Color	grey
Odor:	old water
pH:	pH 6,8-7,2
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)	flammable
Vapor pressure	No data available
Relative vapor density at (20°C)	No data available
Relative density	No data available
Specific gravity	1013 g/cm <sup>3</sup>
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**

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 2 days 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 regulated. No risk material.



## SECTION 15: Regulatory information

### 15.1. US Federal regulations

standard bacteria solution for denitrification

not 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. 2018
Other Information	none
Type of use	For use in marine ornamental aquarium systems only

Please contact [info@faunamarin.de](mailto:info@faunamarin.de) for updated MSDS