

## Section 1. Identification of the substance or mixture and of the Company / Undertaking

### 1.1. Product identification:

Product name : AMTRA REEF Z  
Commercial code: A8050620-A8050621

### 1.2. Relevant identified uses of the substance or mixture and uses advised against:

Description / Uses:  
WATER TREATMENT FOR AQUARIUMS

### 1.3. Details of the supplier of the material safety data sheet:

CROCI S.p.A.  
Via S.Alessandro, 8  
21040 Castronno (VA) - Italy  
Tel. +39 0332 870860  
Fax. +39 0332 462439

e-mail Technical Responsible: matteo.gamberoni@croci.net. Phone number: +39 0332 870860

### 1.4. Emergency Phone Number:

## Section 2. Hazards Identification

### 2.1. Classification of the substance or mixture

#### 2.1.1 Classification under the Regulation 1272/2008:

The preparation is not classified as hazardous according to the provisions of Regulation (EC) 1272/2008 (CLP) and subsequent amendments

### 2.2. Labeling elements: Danger labeling under the Regulation (EC) 1272/2008 (CLP) and subsequent amendments.

Hazard symbols: None

Warnings: None

Hazard statements: None

Precautionary Statements:

NONE

Product not intended for the uses foreseen by Dir.2004 / 42 / CE.

### 2.3. Other hazards

data not available

## Section 3. Composition / Information on the ingredients

3.1. **Substances:** Not applicable

3.2. **Mixtures:**

AQUA  
CHNaO<sub>3</sub> (Hill)

## Section 4. First aid measures

4.1 **Description of first aid measures:**

**Eye contact:** Rinse out with plenty of water.

**Skin contact :** Wash off with plenty of water.

**Inhalation:** Fresh air.

**Ingestion:** Make victim drink water (two glasses at most). Consult doctor if feeling unwell.

4.2. **Most important symptoms and effects, both acute and delayed:**

Nausea, vomiting, irritant effects

4.3. **Indication of any immediate medical attention and special treatment:**

No data available

## Section 5. Fire-fighting measures

5.1. **Extinguishing media:**

**Recommended extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Extinguishing media to avoid:** For this substance/mixture no limitations of extinguishing agents are given.

5.2. **Special hazards arising from the substance or mixture:**

information not available

5.3. **Recommendations for those involved in extinguishing fires:**

information not available

## Section 6. Accidental release measures

6.1. **Personal precautions, protective equipment and emergency procedures:**

6.1.1 **For those who do not intervene directly:**

Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

Protective equipment: See section 8

6.1.2 **For emergency responders:**

Personal protection equipment:

See section 8

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**6.2. Environmental precautions:**

Do not empty into drains. .

**6.3. Additional information**

No data available

**Section 7. Handling and storage**

**7.1. Precautions for safe handling:**

**Protective measures**

**Advices on safe handling:**

Observe label precautions.

**Fire prevent measures:**

See Section 5

**7.2. Conditions for safe storage, including any incompatibilities:**

**Technical measures and storage conditions:**

Tightly closed. Dry.

**Requirements for storage rooms and vessels:**

Keep in original container.

**Hints on storage assembly:**

Do not store together with acids.

**7.3. Specific end uses:**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

**section 8. Exposure controls/personal protection**

**8.1. Control parameters:**

Information not available

**8.2. Exposure controls:**

**8.2.1. Appropriate engineering controls**

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See section 7.1.

**Respiratory protection:**

Required when dusts are generated. Recommended filter type: filter P2

**8.2.3. Environmental exposure controls**

Do not empty into drains.

**8.3. Additional information**

No data available.

## Section 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical: Physical form: solid

Color: white

Odor: odourless

Odor detection threshold: NA (not available).

pH = 8.5

Melting point: 270°C

freezing point: not determined

Boiling Point range: Not applicable

flash point: Not applicable

Evaporation Rate: Not determined

Upper/lower flammability or explosive limits : Not applicable

Vapor Pressure: Not applicable

Vapour density: Not applicable

Relative density: 2.22 g/cm<sup>3</sup>

Solubility: soluble in water : 96 g/l

N-octanol/water partition coefficient: Not determined

Dynamic Viscosity: Not determined

kinematic Viscosity: Not determined

Decomposition temperature (°C): > 50 °C

### 9.2. Other information:

NA (not available)

## Section 10. Stability and reactivity

### 10.1. Reactivity:

See section 10.3

### 10.2. Chemical stability:

The product is chemically stable under standard ambient conditions (room temperature) .

### 10.3. Possibility of hazardous reactions:

Exothermic reaction with: alkali metals, acids

Generates dangerous gases or fumes in contact with: ammonium compounds.

### 10.4 Conditions to avoid:

Heating (decomposition)

### 10.5. Incompatible materials

Alkali metals - Acids

**10.6. Hazardous decomposition products:**

In the event of fire: See section 5.

**Section 11. Toxicological information**

**11.1 Information on toxicological effects:**

**Acute oral toxicity:**

LD50 rat: 4,220 mg/kg

**Acute inhalation toxicity:**

Symptoms: slight mucosal irritations

**Skin corrosion/irritation:**

Rabbit, result: no irritating effect, OECD test guideline 404

**Eye damage/irritation:**

Rabbit, result: no irritating effect, OECD test guideline 405

**Respiratory or skin sensitisation:**

No sensitizing effects known

**Germ cell mutagenicity:**

Did not show mutagenic effects in animal experiments.

**Carcinogenicity:**

Did not show carcinogenic effects in animal experiments.

**Reproductive toxicity:**

Did not show teratogenic effects in animal experiments.

**STOT-single exposure:**

Based on the data available, the classification criteria are not met.

**STOT-repeated exposure:**

Based on the data available, the classification criteria are not met.

**Aspiration hazard:**

Based on the data available, the classification criteria are not met.

**Additional information:**

Other dangerous properties can not be excluded.

Handle in accordance with good industrial hygiene and safety practice.

**Section 12. Ecological information**

**12.1 Persistence and degradability:**

**Additional information:**

Inorganic substance, not biodegradable

**12.2 Bioaccumulative potential:**

Information not available.

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### **12.3 Mobility in the soil:**

No data available

### **12.4 Results of PBT and vPvB assessment:**

PBT/vPvB assessment not available as chemical safety assessment not required/ not conducted.

### **12.5 Other adverse effects:**

Discharge into the environment must be avoided..

## **Section 13. Disposal considerations**

### **13.1. Waste treatment methods:**

Product residues should be disposed of in compliance with the Waste Directive 2008/98/EC as well as national and local regulations. Leave chemicals in original containers. Do not mix with other waste.

Uncleaned containers should be treated like the product.

See [www.retrologistik.com](http://www.retrologistik.com) for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

## **Section 14. Transport information**

**14.1. *UN number:*** not relevant

**14.2. *UN shipping name:*** not relevant

**14.3. *Hazard classes related to transportation:*** not relevant

**14.4. *Packing group:*** not relevant

**14.5. *Environmental hazards:*** not relevant

**14.6. *Special precautions for users:*** not relevant

**14.7. *Transport in bulk according to Annex II of MARPOL and the IBC code:*** not relevant

## **Section 15. Regulatory information**

### **15.1. Standards and legislation on health, safety and environment specific for the substance or mixture:**

#### **15.1.1. EU legislation**

Other regulations (EU):

Directive 2012/18/EU does not apply.

#### **15.1.2. National regulations**

No data available

#### **15.2. Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out.

#### **15.3. Additional information**

No data available

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## Section 16. Other information

### 16.1. Indication of changes

No data available

### 16.2. Abbreviations and acronyms

Used abbreviations and acronyms can be looked up at [www.wikipedia.org](http://www.wikipedia.org).

### 16.3. Key literature references and sources for data

Gestis substance database

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

#### Classification according to Regulation (EC) No 1272/2008 [CLP]:

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

No data available

### 16.6. Training advice

Provide adequate information, instruction and training for operators.

### 16.7. Additional information

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of any properties of the product.