

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

1. IDENTIFICATION OF PREPARATION AND OF COMPANY

Brand name : RED SEA**Product name :** Aiptasia -x**Product category :** AQUARIUM FISH TREATMENT**Product code :** R22221

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2. HAZARD IDENTIFICATION

Classification for supply : Classified as being **Irritant**
Xi, R36**Health / physical hazard :** None**Environmental hazard :** None**Physico-chemical hazard :** None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous component	Classification	CAS No.	Conc.
Calcium Chloride	Xi - R36	10043-52-4	5-10%

Classification symbol / letter and R phrases – Refer to section 16 where the full text of each relevant symbol / R phrase is listed

4. FIRST AID MEASURES

General advice : Seek medical advice and show this safety data sheet to attending medical personnel.

Eye contact : In case of contact with eyes, rinse immediately with plenty of flowing water for at least 15 minutes, occasionally lifting eyelids and seek medical advice.

Skin contact : After contact with skin, remove any contaminated clothing and wash immediately with plenty of soap and water. If any irritation occurs after this, seek medical advice. Wash contaminated clothing before re-use.

Ingestion : Never give anything by mouth to an unconscious person. Wash out mouth with water and obtain medical attention immediately. Do not induce vomiting, unless instructed by medical personnel.

Inhalation : If adverse effects (*e.g. irritation of airways, drowsiness or dizziness*) occur, remove from exposure, rest and keep warm. Seek medical advice immediately.

5. FIRE FIGHTING MEASURES

Fire and explosive properties : The preparation is water based and not combustible or explosive.

Suitable extinguishing media : Use extinguishing media suitable to the surroundings such as, Dry Chemical Powder, Chemical Foam, Water Spray and Carbon dioxide.

Special exposure hazards : When heated sufficiently, product may decompose to form smoke and toxic fumes, gases or vapours that may cause dizziness. Wear approved self-contained breathing apparatus, protective clothing and prevent contact with skin and eyes. Avoid run-off water from entering drains though the use of barriers or sorbent materials.

6. ACCIDENTIAL RELEASE MEASURES

Appropriate to size of spillage.

Personal precautions : Refer to section 8 of the safety data sheet for personal protection details. Avoid contact with skin and eyes. Do not breathe any vapours and keep unauthorised personnel from the spillage area.

Environmental precautions : Do not allow any liquid to be washed down drains or natural water courses if safe to do so. Contact authorities, water company, and waste water treatment plant as appropriate if significant contamination occurs.

Clean-up procedure : In the event of spillage, clean up as soon as possible. Small spills can be mopped up with a dry cloth or paper tissue. Collect larger spills with sorbent material or mixed with sand then place in a suitable container for disposal as solid waste in accordance with local or national regulations. Wash contaminated surfaces with water. In the case of a large spill follow prescribed advice in section 6 – "Environmental Precautions" and collect washings for disposal.

7. HANDLING AND STORAGE

Handling requirements : Handle liquids carefully taking care to avoid contact with skin and eyes, and inhalation of any mists or vapours. When handling large quantities, wear personal protective equipment as described in section 8 and good general ventilation is recommended.

Storage requirements : Keep only in original container. Avoid large temperature changes and store in a cool, dry, well ventilated environment away from direct sunlight. Keep containers closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

During normal non-professional use of the chemical kit no personal protective equipment is required. However, in case of manufacture or spillage, use as appropriate to the size of the spill.

Exposure limit values : Generally not applicable to the packed liquids due to small volumes of liquid being handled coupled with very short exposure times and packaging type.

Exposure controls : None when handling packed liquids in kit form. For large volumes, good general ventilation is recommended. Where conditions may lead to high airborne concentrations, local exhaust ventilation may be necessary to ensure that workplace exposure limits are not exceeded.

Take measure to prevent : Spillage, skin and eye contact, and ingestion.

Personal protective equipment : For professional use, the need for personal protective equipment should be based on a workplace risk assessment. Avoid skin contact by wearing chemical resistant gloves (e.g. rubber, neoprene, nitrile) and safety goggles. Where more extensive contact may occur, wear suitable protective clothing (e.g. apron, sleeves and boots). Personal protective equipment should be chosen in consultation with the manufacturer or distributor of the equipment.

Respiratory protection : Respiratory protection is not necessary if kit is used in accordance with manufacturer's instructions. If required, use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate, use with multi-purpose combination (US) or type ABEK (EN14387) respirator cartridges.

Hand protection : Protective gloves.
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Eye protection : Face shield and safety goggles.
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 166 derived from it.

Skin and body protection : Protective clothing; laboratory coat, apron, arm protection etc.
Choose body protection according to the amount and concentration of the dangerous substance being used.

Hygiene measures : Handle in accordance with good hygiene and safety practices, and wash hands after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Purple viscous liquid

Odour : Pungent

pH : Not determined

Density : Not determined

Boiling point : Not determined

Flash point (°C) : Not applicable

Flammability : Liquid is non-combustible

Oxidising properties : Not applicable

Solubility (water) : Completely soluble to give an acidic solution.

Other :

10. STABILITY AND REACTIVITY

Stability : Reagents stable under recommended storage and handling conditions.

Conditions to avoid: Long term exposure to heat and direct sunlight.

Materials to avoid : Strong oxidizing and reducing agents, Aniline, Phenol, Isocyanates, Acid anhydrides, Strong acids and bases, Amines, Peroxides, Acid chlorides, Alkali metals, Powdered metals, Anhydrous copper(II) sulphate, reacts violently with:, hydroxylamine, Magnesium, May produce heat.

Decomposition products : Toxic fumes such as Hydrogen Chloride and Calcium oxide may be evolved on thermal decomposition.

11. TOXICOLOGICAL INFORMATION

The preparations / reagents have not been tested for toxicological effects. Based on the known effects of the ingredients, the product is classified for human health effects as indicated;

Acute toxicity : No components present in the preparation have been identified as Toxic.

Corrosivity / Irritation : The preparation is classified as being irritating to eyes due to the presence of Calcium Chloride.
. Inhalation of spray or mist will irritate the respiratory system and ingestion will damage the linings of the mouth, throat and gastro-intestinal tract.

Sensitisation : No compounds present have been classified as being sensitising.

Repeated-dose toxicity : No compounds present have been classified as being toxic for prolonged exposure to the compound.

Carcinogenicity / Mutagenicity / Reproductive toxicity : No compounds present have been classified as being Carcinogenic, Mutagenic or Reproductive toxicity properties.

12. ECOLOGICAL INFORMATION

Ecotoxicological data has not been determined specifically for the preparations / reagents, but are not classified as toxic on the basis of the known hazards of components present;

Mobility : Though there is no specific information on the mobility of compounds in the preparation, they are soluble under normal environmental conditions in water so would also be expected to be highly mobile in soil.

Persistence and degradability : Compounds present in the preparation will be readily bio-degradable in the environment, but one compound, Copper sulphate may persist in the environment.

Bioaccumulation : No information available.

Ecotoxicity : Aiptasia-X does not contain components that have been shown to be hazardous to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

User's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Waste residues : Hazardous residues.

Safe handling of waste product : Landfill or burn in accordance with local regulations.

Disposal of product : According to Special Waste Regulations

EWC (European waste code) recommendation : 16 03 05
16 Wastes not otherwise specified in the lists
03 Off specification batches and unused products
05 Organic wastes containing dangerous substances

Depending on the origin and state of the waste, other EWC numbers may be applicable.

Disposal of packaging : According to Special Waste Regulations

EWC (European waste code) recommendation : 15 01 10

15 Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified.

01 Packaging (including separately collected municipal waste).

10 Packaging containing residues of or contaminated by dangerous substances.

Depending on the origin and state of the waste, other EWC numbers may be applicable.

14. TRANSPORTATION INFORMATION

Land transport

RID/ADR hazard classification : NOT DANGEROUS GOODS
Packing group :
UN No. :
Shipping name :

Maritime transport

IMO – IMDG hazard class : NOT DANGEROUS GOODS
Packing group :
UN No. :
Shipping name :
Marine pollutant:

Air transport

ICAO/IATA classification : NOT DANGEROUS GOODS
Packing group :
UN No. :
Shipping name :

15. REGULATORY INFORMATION

EEC labelling information Not classified according to CHIP (Chemical Hazard information and packaging) regulations

Hazard symbols : **Irritant:** Xi



Contains : Calcium chloride

R phrase(s) : R36 Irritating to eyes

S phrase(s) : S1/2 Keep locked up and out of reach of children
 S26 In case of contact with eyes, rinse with plenty of water and seek medical advice
 S46 If swallowed seek medical advice immediately and show this container or label.

Other regulatory information:

16. OTHER INFORMATION**Nature of revision :**

Based on EC directive : The classification of this product has been assessed according to the calculations given in 99/45/EC and its amendments, and regulation (EC) No.1272/2008 on classification, labelling and packaging of substances and mixtures on the basis of available information for the ingredients from supplier safety data sheets and the Existing Chemical Substances Information System found on the European Chemical Bureau website;
<http://ecb.jrc.ec.europa.eu/esis/>.

Relevant R phrases used in section 3 : Xi Irritant
R36 Irritating to eyes

Usage advice : This safety data sheet is provided to enable the employer / user to fulfil his duties to assess and provide information on risks in the work place as required under regional health and safety legislation.
Read accompanying information, use only in accordance to manufacturer's instructions.

Recommended uses / restrictions : To treat Aiptasia anemones in marine aquariums.

Other information : The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage from handling or from contact with the above product.