

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

1.1. Product identification:

Product name : AMTRA REEF Y
Commercial code: A8050618-A8050619

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

Additional Precautionary Statements: EUH 210 Safety data sheet available on request

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

2.3. Other hazards:

the substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII

Section 3. Composition / Information on the ingredients

3.1. Substances: Not applicable

3.2. Mixtures:

calcium chloride

cas 233-140-8

H319 EYE IRRIT.2

Further information:

disodium tetraborate decahydrate; borax decahydrate (cas 1303-96-4) listed on "candidate list of substances Very High Concern for Authorization"

Section 4. First aid measures

4.1 Description of first aid measures:

Eye contact: Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms consult an ophthalmologist

Skin contact : Wash immediately with plenty of water. If skin irritation occurs get medical advice/attention

Inhalation: Provide Fresh air. In all cases of doubt or when symptoms persist seek medical advice

Ingestion: DO NOT induce vomiting. Rinse mouth. Let water down in little sips (dilution effect) . In all cases of doubt or when symptoms persist seek medical advice

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

No data available

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

Treat symptomatically

Section 5. Fire-fighting measures

5.1. Extinguishing media:

Recommended extinguishing media: Coordinate fire-fighting to the fire surrounding.

Carbon dioxide (CO₂), Foam, Extinguishing powder

5.2. Special hazards arising from the substance or mixture:

The product itself does not burn.

Can be released in case of fire: Hydrogen chloride (HCl), Sulphur oxides, Metal oxides, Calcium oxide, Boron oxide

5.3. Recommendations for those involved in extinguishing fires:

Wear a self-contained breathing apparatus and chemical protective clothing

Additional information: collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Knock

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Avoid generation of dusts.

Wear personal protection equipment. See section 8

6.2. Environmental precautions:

Do not allow to enter into surface water or drains

6.3. Additional information

Take up mechanically, placing in appropriate containers for disposal. Avoid generation of dust.
Clean contaminated objects and areas thoroughly observing environmental regulations

Section 7. Handling and storage

7.1. Precautions for safe handling:

Advices on safe handling:

Personal protection equipment. see section 8

Advise on protection against fire and explosion

Usual measures for fire prevention

Further information on handling

Avoid contact with skin and eyes

General protection and hygiene measures: see section 8

7.2. Conditions for safe storage, including any incompatibilities:

Requirements for storage rooms and vessel

Keep container tightly closed in a cool, well-ventilated place

Advice on storage compatibility

Do not store together with: explosive, oxidizing solids, oxidizing liquids, radioactive substances, infectious substances

Hints on storage assembly:

Do not store together with acids.

7.3. Specific end uses:

Refer to section 1

section 8. Exposure controls/personal protection

8.1. Exposure controls:

Appropriate engineering controls

Dust should be exhausted directly at the point of origin

Protective and Hygiene measures

Always close containers tightly after removal of product. Keep away from food, drink and animal feedingstuffs. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and after work.

Eye/face protection

In the case of high dust generation: dust protection goggles. DIN EN 166

Hand protection

In the case of prolonged or frequently repeated skin contact: water suitable gloves

suitable material: Butyl caoutchouc (butyl rubber). NBR (nitrile rubber)

Breakthrough time (maximum wearing time): lower than 480 min

Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well

Skin protection

suitable protective clothing: lab coat

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical:

Physical form: liquid

Color: blue

Odor: characteristic

Odor detection threshold: NA (not available).

pH = not determined

Melting point: not determined

freezing point: not determined

Boiling Point range: not determined

flash point: not determined

Ignition temperature: not determined

explosive properties: none

Oxidizing properties: none

Vapor Pressure: not determined

density: not determined

Dynamic Viscosity: Not determined

kinematic Viscosity: Not determined

9.2. Other information:

NA (not available)

Section 10. Stability and reactivity

10.1. Reactivity:

Information not available

10.2. Chemical stability:

The product is chemically stable under recommended conditions of storage, use and temperature .

10.3. Possibility of hazardous reactions:

Information not available.

10.4 Conditions to avoid:

Avoid generation of dust

10.5. Incompatible materials

Oxidizing agents, strong acid

10.6. Hazardous decomposition products:

Can be released in case of fire: Hydrogen chloride (HCl), Sulfur oxides, calcium oxide, boron oxide

Section 11. Toxicological information**11.1 Information on toxicological effects:****Toxicokinetics, metabolism effects**

no information available

Acute toxicity

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

CAS n	Chemical name	CALCIUM CHLORIDE DIHYDRATE			Source
	Exposure routes	method	dose	species	
10035-04-8	oral	LD50 (mg/Kg)	1000	rat	GESTIS

Irritation and corrosivity

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

Sensitizing effects

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

STOT-single exposure

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

Severe effects after repeated or prolonged exposure

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

Calcium chloride:

in vitro mutagenicity: OECD guideline 473 (in vitro Mammalian Aberration Test) = negative.

literature information: ECHA dossier

OECD guideline 471 (Bacterial Reverse Mutation Assay) = negative (without metabolic activation).

literature information: ECHA dossier

Developmental toxicity/teratogenicity NOAEL = > 189 mg/Kg(bw)/day.

literature information: ECHA dossier

Aspiration hazard

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

Section 12. Ecological information**12.1 Persistence and degradability:**

The methods for determining the biological degradability are not applicable to inorganic substances

12.2 Bioaccumulative potential:

No indication of bioaccumulation potential

12.3 Mobility in the soil:

No data available

12.4 Results of PBT and vPvB assessment:

The substances in the mixture do not meet the PBT/vPvB criteria according the REACH annex XIII

12.5 Other adverse effects:

No data available

Section 13. Disposal considerations

13.1. Waste treatment methods:

Advise on disposal

Dispose of waste according the applicable legislation. Consult the appropriate local waste disposal expert about waste disposal. Non-contaminated packages may be recycled.

According to EAKV allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Contaminated packaging

Handle contaminated packages in the same way as the substances itself

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

2010/75 EU (VOC) not determined

2004/42 EC (VOC) not determined

information according to 2012/18 EU (SEVESO III) no subject

15.1.2. National regulations

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out

Section 16. Other information

Changes

This data sheet contains changes from the previous version in section (s) : 5,6,7,8,9,10,11,13,15

Rev1.00 27-11-2014 Initial release

Rev1.01 16-09-2015 Indication of changes chapter: 1,3,15,16

LEGEND:

- ADR: European agreement for the transport of dangerous goods by road
- CAS NUMBER: Chemical Abstract Service number
- EC50: Concentration that gives effect to 50% of the test population
- CE NUMBER: Identification number in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived no effect level
- EmS: Emergency Schedule
- GHS: Global harmonized system for the classification and labeling of chemical products
- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association
- IC50: Immobilization concentration of 50% of the test population
- IMDG: International maritime code for the transport of dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in Annex VI of the CLP
- LC50: Lethal concentration 50%
- LD50: Lethal dose 50%
- LOAEL: Lower observed adverse effect level
- LOAEC: Lower observed adverse effect concentration
- ICAO: International Civil Aviation Organization
- ICAO-TI: Technical Instruction by the "International Civil Aviation Organization"
- NOAEL: No observed adverse effect level
- NOAEC: No observed adverse effect concentration
- NTP: National Toxicology program
- N/A: not applicable
- OSHA: Concerning the International Transport of Dangerous Goods by rail
- PBT: Persistent, bioaccumulating and toxic according to REACH
- PEC: Predictable environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulations for the international transport of dangerous goods by train
- SARA: Superfund Amendments and Reauthorization Act
- SVHC: Substance of very high concern
- TRGS: Technische Regeln für Gefahrstoffe
- TSCA: Toxic substances Control Compounds
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulating according to REACH
- WGK: Aquatic hazard class (Germany).

Relevant H and EUH statements (number and full text)

- H319 : Causes serious eye irritation
H360FD: May damage fertility. May damage the unborn child
EUH210 Safety data sheet available on request