

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

### 1.1. Product identification:

Product name : **AMTRA GH+**

Commercial code: A3050635

UFI: 2P00-0028-600H-YJXP

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

Description / Uses:

WATER TREATMENT. MINERAL SUPPLEMENTS 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](mailto:matteo.gamberoni@croci.net). Phone number: +39 0332 870860

### 1.4. Emergency Phone Number:

Florence Poison Center: Telephone +39 055 794 7819 (CAV-Careggi Hospital in Florence).

Genoa Poison Center: Telephone +39 010 563 6245 (Scientific Institute G. Gaslini).

Turin Poison Center : Telephone +39 011/6637637 (SG Baptist Hospital - Molinette of Turin).

Pavia Poison Center: Telephone +39 038 224 444 (CAV IRCCS Fondazione Maugeri-Pavia).

Rome Poison Center: Telephone +39 06 305 4343 (CAV Policlinico Gemelli-Rome).

Rome Poison Center: Telephone +39 06499780 00 (CAV Policlinico Umberto I-Rome).

Naples Poison Center: Telephone +39 081 747 2870 (CAV Cardarelli Hospital-Naples).

Milan Poison Centre: Telephone +39 02661010 29 (CAV Niguarda Ca 'Granda - Milan) (H-24)

Bergamo Poison Centre: Telephone 800883300 (Hospital Papa Giovanni XXIII)

## Section 2. Hazards Identification

### 2.1. Classification of the substance or mixture

2.1.1 Classification pursuant to Regulation (EC) No. 1272/2008:

Pictograms (code):

GHS07

Class codes and category of danger:

Eye Irrit. 2

Hazard indication codes:

H319 - Causes serious eye irritation.

The product, if brought into contact with the eyes, causes significant irritation that can last for more than 24 hours.

### 2.2. Labeling elements:

Labeling in accordance with Regulation (EC) n. 1272/2008:

**Hazard Pictograms:**



**Hazard words:**

Warning

**Hazard statements:**

H319 - Causes serious eye irritation.

**Additional danger code numbers:**

Not applicable

**Precautionary statements:**

General

P101 - If consulting a doctor, keep the container or the product label.

P102 - Keep out of reach of children.

Prevention

P264 - Wash hands thoroughly after use.

P280 - Wear protective gloves / protective clothing / eye protection / face protection.

Reaction

P305 + P351 + P338 - IN CASE OF CONTACT WITH EYES: rinse thoroughly for several minutes.

Remove any contact lenses if it is easy to do so. Continue to rinse.

P337 + P313 - If eye irritation persists, consult a doctor.

**2.3. Other hazards**

The substance / mixture does NOT contain PBT / vPvB substances according to Regulation (EC) 1907/2006, Annex XIII  
 The main adverse physical and chemical effects on human health and the environment are listed in sections 9 to 12.

**Section 3. Composition / Information on the ingredients**

**3.1. Substances:** Not applicable

**3.2. Mixtures:**

Refer to point 16 for the full text of the hazard statements

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
calcium chloride	> 20 <= 30%	Eye Irrit. 2, H319	017-013-00-2	10043-52-4	233-140-8	01-2119494 219-28-000 0

**Section 4. First aid measures**

**4.1 Description of first aid measures:**

**Inhalation:**

Ventilate the room. Immediately remove the patient from the contaminated environment and keep him at rest in a well ventilated area. In case of malaise consult a doctor.

**Direct contact with the skin (of the pure product):**

Remove contaminated clothing immediately.

Immediately wash the areas of the body that have come with plenty of running water and possibly soap in contact with the product, even if only suspicious.

In case of contact with skin, wash immediately with plenty of water and soap.

**Direct contact with the eyes (of the pure product):**

Wash immediately and thoroughly with running water, with eyelids open, for at least 10 minutes; then protect eyes with dry sterile gauze. Get medical attention immediately.

Do not use eye drops or ointments of any kind before an examination or advice from an eye doctor.

**Ingestion:**

Not dangerous. It is possible to administer activated charcoal in water or medicinal mineral vaseline oil

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

Information not available

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

If eye irritation persists, consult a doctor.  
If consulting a doctor, keep the product container or label.

**Section 5. Fire-fighting measures**

**5.1. Extinguishing media:**

**Recommended extinguishing media:**

Water spray, CO<sub>2</sub>, foam, chemical powders depending on the materials involved in the fire.

**Extinguishing media to avoid:**

Water jets. Use water jets only to cool the surfaces of containers exposed to fire.

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

information not available

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

Use respiratory protection. Safety helmet and complete protective clothing. Nebulized water can be used to protect people involved in extinction. It is also advisable to use self-contained breathing apparatus, above all, if working in closed and poorly ventilated areas and in any case if using halogenated extinguishing agents (fluobrene, solkane 123, naf etc.). Cool containers with water jets

**Section 6. Accidental release measures**

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

6.1.1 For those who do not intervene directly:

Move away from the area surrounding the spill or release.  
Not smoking.  
Wear gloves and protective clothing.

6.1.2 For emergency responders:

Eliminate all open flames and possible sources of ignition.  
Not smoking.  
Provide adequate ventilation.  
Evacuate the danger area and, if necessary, consult an expert.

6.2. Environmental precautions:

Contain leaks with earth or sand.  
If the product has flowed into a water course, into the drainage system or has contaminated the soil or vegetation, notify the competent authorities.  
Dispose of the residue in compliance with current regulations.

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**6.3. Methods and materials for containment and cleaning up:**

6.3.1 For containment

Collect the product for re-use, if possible, or for disposal. Eventually absorb it with inert material. Prevent it from entering the drainage system.

6.3.2 For cleaning

After collection, wash the affected area and materials with water.

6.3.3 Other information:

None in particular.

**6.4. Reference to other sections:**

Refer to points 8 and 13 for more information

**Section 7. Handling and storage**

**7.1. Precautions for safe handling:**

Avoid contact and inhalation of vapors. At work do not eat or drink.  
See also the next paragraph 8..

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

Keep in the original container tightly closed. Do not store in open or unlabelled containers. Keep the containers in a vertical and safe position avoiding the possibility of falls or bumps.  
Store in a cool place, away from any source of heat and direct exposure to sunlight. Keep in the original container tightly closed. Do not store in open or unlabelled containers. Keep the containers in a vertical and safe position avoiding the possibility of falls or bumps. Keep away from open flames, sparks and heat sources. Avoid direct exposure to the sun.

**7.3. Specific end uses:**

Store in a ventilated place away from heat sources. Keep the container tightly closed.

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

**8.1. Control parameters:**

I- Substance: calcium chloride

DNEL

Local effects Long term Workers Inhalation = 5

Local effects Long term Consumers Inhalation = 2.5 (mg / m3)

Local effects Short term Workers Inhalation = 10 (mg / m3)

Local effects Short term Consumers Inhalation = 5 (mg / m3)

**8.2. Exposure controls:**

Operate in adequately ventilated areas to control the suspended dust that may develop.

Other Consumer Uses: No specific checks required.

Individual protection measures:

- a) Eye / face protection: Not necessary for normal use.
- b) Skin protection (Hand protection): Not necessary for normal use.
- c) Respiratory protection: Not necessary for normal use.
- d) Thermal hazards: No danger to report

Environmental exposure controls: Use according to good working practices, avoiding to disperse the product in the environment.

## Section 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical:

Physical form: liquid

Color: colorless to yellowish

Odor: odorless

Odor detection threshold: NA (not available).

pH = 8-9

Melting point or freezing: Not applicable

Boiling Point range: Not applicable

Distillation range: Not applicable

Flash Point: Not applicable

Evaporation Rate: Not applicable

Flammability of solids and gases: Not applicable

Upper limit of flammability: Not applicable

Lower explosive limit: Not applicable

Upper explosive limit: Not applicable

Vapor Pressure: Not applicable

Vapour density: Not applicable

Relative density: NA (not available)

Solubility: soluble in water

N-octanol/water partition coefficient: Not applicable

I Viscosity: Not applicable

### 9.2. Other information:

NA (not available)

## Section 10. Stability and reactivity

### 10.1. Reactivity:

No risk of reactivity

### 10.2. Chemical stability:

The mixture is stable under normal conditions of use and storage

### 10.3. Possibility of hazardous reactions:

In normal conditions of use and storage no dangerous reactions are predictable.

### 10.4 Conditions to avoid:

No dangerous reactions if used and stored according to specifications.

### 10.5. Incompatible materials

It can generate flammable gases on contact with elementary metals, nitrides, inorganic sulfides, strong reducing agents. It can generate toxic gases in contact with inorganic sulfides, strong reducing agents.

**10.6. Hazardous decomposition products:**

Does not decompose if used for the intended uses.

**Section 11. Toxicological information**

**11.1 Information on toxicological effects:**

ATE (mix) oral = ∞

ATE (mix) dermal = ∞

ATE (mix) inhal = ∞

(a) acute toxicity: based on available data the classification criteria are not met.

(b) skin corrosion / irritation: based on available data the classification criteria are not met.

(c) serious eye damage / irritation: based on available data the classification criteria are not met.

(d) respiratory or skin sensitization: based on available data the classification criteria are not satisfied.

(e) germ cell mutagenicity: based on available data the classification criteria are not met.

(f) carcinogenicity: based on available data the classification criteria are not met.

(g) reproductive toxicity: based on available data the classification criteria are not met.

(h) specific toxicity for target organs (STOT) single exposure: based on the available data the criteria of classification are not met.

(i) specific target organ toxicity (STOT) repeated exposure: based on the available data the criteria of classification are not met.

(j) aspiration hazard: based on available data the classification criteria are not met.

No toxicological tests were performed on this preparation. Health hazards have been evaluated according to test methods referred to in Regulation (EC) no. 440/2008 of the Commission, of May 30, 2008 and subsequent amendments and in any case in compliance with Article 9.2 of Regulation (EC) No. 1272/2008 (CLP) of December 16, 2008. The preparation

it is not classified as dangerous.

However we advise you to handle this preparation with the due precautions since it cannot be excluded, su particularly sensitive people, an effect of unpredictable synergy.

In particular:

Eye contact: The product is not irritating but direct, repeated and prolonged contact of the product with the eyes may cause irritation.

Skin contact: The product is not irritating. Direct, repeated and prolonged contact can degrease and irritate the skin causing in some cases dermatitis.

Ingestion: The ingested product may cause irritation of the mucous membranes of the throat and digestive tract with consequent abnormal digestive symptoms and intestinal disorders.

Inhalation: Prolonged exposure to vapors or mists of the product may cause irritation to the respiratory tract.

**Section 12. Ecological information**

**12.1 Toxicity:**

*Short-term toxicity for fish: LC50 (4 days) 4.63 g / L - LC50 (48 h) 6.56 g / L - LC50 (24 h) 6.66 g / L*

*Short-term toxicity for aquatic invertebrates: EC50 (48 h) 2.4 g / l - LC50 (48 h) 2.4 g / l - NOEC (48 h) 2 g / L*

*Long-term toxicity to aquatic invertebrates: EC50 (21 days) 610 mg / l*

*Toxicity to algae and aquatic cyanobacteria: EC50 (72 h) 2.9-27 g / Lh - C (E) L50 (mg / l) = 610 - NOEC (mg / l) = 2000*

Use according to good working practices, avoiding to disperse the product in the environment

**12.2 Persistence and degradability:**

Related to the substances contained:

calcium chloride: no data

**12.3 Bioaccumulative potential:**

Information not available.

**12.4 Mobility in the soil:**

Insoluble in water

**12.5 Results of PBT and vPvB assessment:**

The substance / mixture does NOT contain PBT / vPvB substances according to Regulation (EC) 1907/2006, Annex XIII

**12.6 Other adverse effects:**

The product is not classified as dangerous for the environment.

However, this does not exclude that large or frequent spills can have a harmful effect on the environment.

**Section 13. Disposal considerations****13.1. Waste treatment methods:**

Do not reuse empty containers. Dispose of them in compliance with current regulations. Any product residues must be disposed of according to the regulations in force by contacting authorized companies. Recover if possible. Operate according to the local or national regulations in force.

**Section 14. Transport information**

14.1. **UN number** N.a.

14.2. **UN shipping name** N.a.

14.3. **Hazard classes related to transportation** N.a.

14.4. **Packing group** N.a.

14.5. **Environmental hazards** N.a.

14.6. **Special precautions for users** N.a.

14.7. **Transport in bulk according to Annex II of MARPOL and the IBC code** N.a.

**Section 15. Regulatory information****15.1. Standards and legislation on health, safety and environment specific for the substance or mixture:**

EU reference standard:

- Regulation 1907/2006 / CE (REACH) and subsequent amendments. Regulation No. 440/2008 and subsequent amendments

(REACH test methods)

- Regulation 2008/1272 / EC (CLP), current text

- Regulation 2015/830 / EU (MSDS)

- Regulation 2004/648 / CE, current text Reg. 2009/551 / CE (detergents only)

- Reg. 1223/2009 / CE (Cosmetics products), current text

- ADR 2019

Other statements:

- The substance / mixture complies / does not fall within the scope of the following Regulations:

- Regulation 2009/1005 / EC (Ozone layer)

- Regulation 2004/850 / CE, current text Reg. 2010/757 / CE (persistent organic pollutants)
- Regulation 2008/689 / CE (import / export of dangerous chemicals)
- Directive 2003/105 / EC (Seveso III)
- The product is free from GMOs (genetically modified organisms) and their derivatives based on Regulation 834/2007 / EC
- BSE: The product is excluded from the problems referred to in EC Regulation 1139/2003, because it is not of animal origin, not contains animal derivatives and has not come into contact at any stage of production with animal derivatives.
- Our company does not perform or commission tests on animals on the product or its components.
- Directives 1999/2 / EC and 1999/3 / EC: the product has not been treated with ionizing radiation.
- directive 2010/59 / UE: the product is free from residual solvents or if present these do not exceed the maximum limits set.
- Directive 2008/149 / EC: the product is free from residues of unauthorized contaminants or those not authorized the maximum limits are exceeded.

Any registrations, restrictions, membership of restricted categories of one or more members, are reported of following. The absence of information means that no further specification is required or that all components belong to the lower risk category.

The list of Regulations reported is not exhaustive of all local, national and Community information applicable to the substance / mixture (including its components). For additional information, contact the Responsible Person of the present Safety Data Sheet.

All substances are registered / pre-registered / identified for registration / exempt from registration in the ECHA database of chemicals

REGULATION (EU) No. 1357/2014 - waste:

HP4 - Irritant - Skin irritation and eye damage

#### **15.2. Chemical safety assessment:**

The supplier did not carry out a chemical safety assessment

### **Section 16. Other information**

Description of the hazard statements set out in point 3

H319 = Causes serious eye irritation.

Classification based on the data of all the components of the mixture

The information contained in this sheet is based on the properties of the substances, known to us, on the date on which the form has been completed. Relevant key information on exposure scenarios possibly available for the substances are synthetically included in sections 1.2, 7.3 and 8.2 of this safety data sheet. For the assessment of harmlessness of downstream users the person in charge of this Safety Data Sheet does not take any action responsibility. The downstream user is required to ensure the suitability and completeness of such information in relation to the specific use it intends to make. The individual scenarios available are provided upon request.

Bibliographic Sources:

Supplier Safety Data Sheets. Relative exposure scenarios.

European Commission, Health and Consumers, CosIng database, JRC-IHCP, ECETOC

ECHA Brief Profiles (<http://echa.europa.eu>)

National Institute of Health, substance labeling database

The Good Scents Company (<http://www.thegoodscentscompany.com>)

EFFA code of practices 2009 - IFRA / IOFI Labeling Manual

Ministry of the Environment, DATABASE DESC

NIOSH Pocket Guide to Chemical Hazard

Pubchem Database

IFA GESTIS Substance Database