

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

1.1. Product identification:

Product name: **AMTRA BIOPOND AQUAFIT 1.7 Kg**

Commercial code: A3060028

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

Conditioner for ponds

Bioconditioner for pond degradation of organic compounds

Uses advised against

Do not use for purposes other than those indicated

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: giuseppe.dangelo@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

The product is not classified as dangerous according to the provisions of Regulation (EC) 1272/2008 (CLP).

The product, however, containing dangerous substances in concentrations such as to be declared in section n.3, requires a safety data sheet with adequate information, in compliance with Regulation (EC) 1907/2006 and subsequent amendments.

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

Hazard symbols: None

Warnings: None

Hazard statements:

EUH210

Safety data sheet available on request.

Precautionary Statements: None

2.3. Other hazards

Based on the available data, the product does not contain PBT or vPvB substances in a percentage higher than 0.1%.

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

<u>Substance:</u>	Concentration	Classification	Index	CAS	EINECS	REACH
Calcium chloride	8,5 ≤ x < 10	Eye Irrit. 2 H319	017-013-00-2	7774-34-7	233-140-8	

Section 4. First aid measures

4.1 Description of first aid measures:

EYES: Remove any contact lenses. Wash immediately and abundantly with water for at least 15 minutes, opening the eyelids well. Consult a doctor if the problem persists.

SKIN: Take off contaminated clothes. Wash immediately and abundantly with water. Self-irritation persists, consult a doctor. Wash the contaminated garments before reusing them. **INHALATION:** Take the subject to fresh air. If breathing is difficult, call a doctor immediately.

INGESTION: Get medical attention immediately. Induce vomiting only if directed by your doctor. Do not administer anything orally if the subject is unconscious and if not authorized by the doctor.

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

No specific information is known about the symptoms and effects caused by the product.

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

Information not available.

Section 5. Fire-fighting measures

5.1. Extinguishing media:

SUITABLE EXTINGUISHING MEDIA

The extinguishing media are the traditional ones: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING MEDIA

No one in particular.

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.

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.

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:

Handle the product after consulting all the other sections of this safety data sheet. Avoid the dispersion of the product in the environment. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before entering eating areas.

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:

Information not available.

Section 8. Exposure controls/personal protection

8.1. Control parameters:

It is recommended to consider in the risk assessment process the occupational exposure limit values provided by the ACGIH for inert dusts not otherwise classified (PNOC respirable fraction: 3 mg / mc; PNOC inhalable fraction: 10 mg / mc). If these limits are exceeded, it is recommended to use a type P filter whose class (1, 2 or 3) must be chosen based on the outcome of the risk assessment.

8.2. Exposure controls:

Considering that the use of adequate technical measures should always have priority over personal protective equipment, ensure good ventilation in the workplace through effective local exhaust.

For the choice of personal protective equipment, if necessary, seek advice from your chemical suppliers.

Personal protective equipment must bear the CE mark which certifies their compliance with current regulations.

HAND PROTECTION

If prolonged contact with the product is expected, it is advisable to protect hands with work gloves resistant to penetration (ref. Standard EN 374).

For the final choice of the material of the work gloves, it is also necessary to evaluate the process of use of the product and any other resulting products. We also remind you that latex gloves can give rise to sensitization phenomena.

SKIN PROTECTION

Wear category I professional long-sleeved work clothes and safety footwear (ref. Directive 89/686 / EEC and standard EN ISO 20344). Wash with soap and water after removing protective clothing.

EYE PROTECTION

It is recommended to wear airtight protective goggles (ref. Standard EN 166).

RESPIRATORY PROTECTION

We recommend the use of a P-type filtering face mask whose class (1, 2 or 3) and actual need, must be defined based on the outcome of the risk assessment (ref. EN 149 standard).

ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from manufacturing processes, including those from ventilation equipment, should be controlled for compliance with environmental protection legislation.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical:

Physical form: Powder

Color: White to off-white

Odor: Odorless

Odor detection threshold: Not applicable

pH = Not applicable

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

Vapor density: Not applicable

Relative density: Not applicable

Solubility: Soluble in water

N-octanol/water partition coefficient: Not applicable

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

In the absence of experimental toxicological data on the product itself, any health hazards of the product have been assessed on the basis of the properties of the substances contained, according to the criteria established by the reference legislation for classification. Therefore, consider the concentration of the individual hazardous substances possibly mentioned in sect. 3, to evaluate the toxicological effects resulting from exposure to the product.

11.1 Information on toxicological effects:

Metabolism, kinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Symptoms related to the physical, chemical and toxicological characteristics

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

- Acute toxicity

LC50 (Inhalation) of the mixture: Not classified (no relevant component)

LD50 (Oral) of the mixture: Not classified (no relevant component)

LD50 (Dermal) of the mixture: Not classified (no relevant component)

Calcium chloride

Oral LD50 2301 mg/kg (rat) (OECD 401)

Dermal LD50 > 5000 mg/kg (rat)

- **Primary irritant effect:** Based on available data, the classification criteria are not met.

- **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.

- **Serious eye damage/irritation:** Based on available data, the classification criteria are not met.

- **Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.

- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

- **Carcinogenicity:** Based on available data, the classification criteria are not met.

- **Reproductive toxicity:** Based on available data, the classification criteria are not met.

- **STOT-single exposure:** Based on available data, the classification criteria are not met.

- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.

- **Aspiration hazard:** Based on available data, the classification criteria are not met.

Section 12. Ecological information

Use according to good working practices, avoiding to disperse the product in the environment. Notify the competent authorities if the product has reached watercourses or if it has contaminated the soil or vegetation.

12.1 Toxicity:

Calcium chloride

LC50 (for fish)

EC50 (for shellfish)

EC50 (for Algae / Aquatic Plants)

10650 mg/l/96h *Lepomis macrochirus*

2400 mg/l/48h *Daphnia magna*

2900 mg/l/72h *Pseudokirchneriella subcapitata*

12.2 Persistence and degradability:

Information not available.

12.3 Bioaccumulative potential:

Information not available.

12.4 Mobility in the soil:

Information not available.

12.5 Results of PBT and vPvB assessment:

In accordance on available data, the product does not contain PBT or vPvB substances in percentage greater than 0.1%.

12.6 Other adverse effects:

The product is not classified as dangerous for the environment.

Section 13. Disposal considerations

13.1. Waste treatment methods:

Reuse if possible. The residues of the product as such are to be considered special non-hazardous waste.

CONTAMINATED PACKAGING

Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.

Section 14. Transport information

The product is not to be considered dangerous according to the current laws on the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA).

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:

Seveso Category - Directive 2012/18 / EC:

None

Restrictions relating to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006

None

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain SVHC substances in percentage greater than 0.1%.

Substances subject to authorization (Annex XIV REACH)

None

Substances subject to export notification obligation Reg. (EC) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Health Checks

Information not available

Classification for water pollution in Germany (AwSV, vom 18. April 2017)

WGK Nwg: Not dangerous for water

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 section 2 and 3:

Eye irrit. 2 Irritating to eyes, cat. 2

H319 Causes serious eye irritation

EUH210 Safety data sheet available on request

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

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the

International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

LEV: Local Exhaust Ventilation

RPE: Respiratory Protective Equipment

RCR: Risk Characterization Ratio (RCR= PEC/PNEC)

Conforms to regulation (UE) 2015/830

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

vPvB: very Persistent and very Bioaccumulative

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Bibliographic Sources:

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.

Note for the user:

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.