

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

1.1. Product identification:

Product name: **AMTRA Biopond Algenkur**

Commercial code: A3050090-A3050652-A3050066

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

Description / Uses:

BIOCONDITIONER FOR AQUARIUMS. WATER TREATMENT.

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:

Austria Poison Information Center (AT): + 43- (0) 1-406 43 43

Belgium Poison Control Center (BE): +32 70 245 245

Croatia Poison Control (CR): +385 1 2348 342

Czech Republic Poison Control (CS): +420 224 919 293, +420 224 915 402

Denmark Direct Telephone Line Poison Control (DK): +45 82 12 12 12

Estonia Poison Control (ET): 16662, (+372) 626 93 90

Finland Poison Information Center (FI): +358 9 471 977

France ORFILA (FR): + 01 45 42 59 59

Germany Berlin Poison Center (DE): +49 030 30686 790 (24-hour assistance, Consulting in German and English)

Greece Poison Information Center (EL): (0030) 2107793777

Hungary Poison Information Service (HU): (+ 36-80) 201-199

Islanda Poison Information Center: 543 2222

Italia Centro Antiveleni, Milano (IT): +39 02 6610 1029

Lettonia Poison Information Center (LV): +371 67042473

Lituania Poison Information Office (LT): +370 5236 20 52 or +370 687 53 378

Paesi Bassi National Poisons Information Center (NVIC): 030-274 8888

Portogallo Centro Informativo Antiveleni (PT): +351 21 330 3284

Spagna Centro Informativo Antiveleni (ES): +34 91 562 04 20

Section 2. Hazards Identification

2.1. Classification of the substance or mixture

CAS 68131-04-4 EINECS 268-608-0 REACH 01-2119484865-21-0000

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: Labeling in accordance with Regulation (EC) 1272/2008 (CLP) and subsequent amendments.

Hazard symbols: None

Warnings: None

Hazard statements: None

Precautionary Statements:

General:

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

P102 - Keep out of reach of children.

2.3. Other hazards

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

Conforms to regulation (UE) 2020/878

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
Humic acids, sodium salts	> 1 <= 5%	ATE oral = 2.000,0 mg/kg ATE dermal = 2.000,0 mg/kg	ND	68131-04-4	268-608-0	01-2119484 865-21-000 0

Section 4. First aid measures**4.1 Description of first aid measures:**

Inhalation: Ventilate the area. 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): Wash thoroughly with soap and water.

Direct contact with the eyes (of the pure product): Wash immediately with plenty of water for at least 10 minutes.

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 consulting a doctor, keep the product container or label.

Section 5. Fire-fighting measures**5.1. Extinguishing media:****Recommended extinguishing media:** Water spray, CO₂, 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.

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 unlabeled 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 unlabeled 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:

Substance: Humic acids, sodium salts

DNEL

Systemic effects Long term Consumers Oral = 0,42 (mg / kg bw / day)

PNEC

Fresh water = 0,052 (mg / l)

STP = 10 (mg / l)

8.2. Exposure controls:

Before use, check that the container is not swollen and is tightly closed.

Other (Professional Uses and / or 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:

Chemical and physical property	Value	Method of determination
Appearance	opaque liquid	visivo/visual/visuel/visuell/zichtb aar
Color	brown	visivo/visual/visuel/visuell/zichtb aar
Odor	odorless	empirico/empirical/empirique/e mpirisch
Odor threshold	not determined	
pH	10.0 – 11.4	UNI 24003
Melting point or freezing	not determined	OECD Guideline 102
Boiling Point range	not determined	ASTM D86
Flash Point	not inflammable	ASTM D93
Evaporation Rate	not applicable	
Flammability of solids and gases	not inflammable	
Upper / lower flammability limits o of explosiveness	not inflammable	
Vapor Pressure	not inflammable	
Vapour density	not determined	UNI EN 13016-1:2018
Relative density	500 – 600 g/l	ISO 2811-3
Solubility	soluble in water	
Solubility in water	soluble in water	
N-octanol/water partition coefficient	not determined	OECD Guideline 107
Auto-ignition temperature	not inflammable	DIN 51794
Decomposition temperature	not applicable	
Viscosity	not available	ASTM D7042
Explosive properties	not explosive	
Oxidizing properties:	non oxidizing	

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:

no dangerous reactions are predictable.

10.4. Conditions to avoid:

Do not leave the container open.

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.

Conforms to regulation (UE) 2020/878

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: Disodium dihydrogen ethylenediaminetetraacetate: NOAEL (rat): 500 mg/kg bw/day - NOAEL (mouse): 500 mg/kg bw/day

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

No toxicological tests have been performed on this preparation. The health hazards have been assessed according to the test methods set out in Regulation (EC) no. 440/2008 of the Commission of 30 May 2008 and subsequent amendments and in any case in accordance with article 9.2 of Regulation (EC) no. 1272/2008 (CLP) of 16 December 2008. The preparation is not classified as dangerous.

However, we recommend handling this preparation with due precautions as it cannot be ruled out particularly sensitive people, an unpredictable synergy effect. 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 can cause irritation of the mucous membranes of the throat and digestive system 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.

Oral LD50 (rat) (mg / kg body weight) = 2000

LD50 Dermal (rat or rabbit) (mg / kg body weight) = 2000

Related to contained substances:

Humic acids, sodium salts:

Oral LD50 (rat) (mg / kg body weight) = 2000

LD50 Dermal (rat or rabbit) (mg / kg body weight) = 2000

Section 12. Ecological information

12.1 Toxicity:

AMTRA Biopond Algenkur:

C (E) L50 (mg / l) = 65.699997

NOEC (mg / l) = 52.4

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

12.2 Persistence and degradability:

Related to the substances contained: Humic acids, sodium salts:

BOD5: 50 mg of O2 / g of test material

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COD: 990 mg of O₂ / g of test material

Interpretation of results: Biodegradation was not observed under test conditions (100%)

12.3 Bioaccumulative potential:

Information not available.

12.4 Mobility in the soil:

Information not available.

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:

No adverse effects found.

Section 13. Disposal considerations

13.1. Waste treatment methods:

Disposal of the preparation: Recover if possible. Send to authorized disposal plants. Operate according to local and national regulations.

Disposal of packaging: Always reclaim the packaging before disposal or recycling by rinsing thoroughly with water, recovering the washing solutions if possible or treating them as previously described. The empty and clean packaging they can be reused, recycled or disposed of in compliance with the relevant regulations in force.

This material and its container must be disposed of as hazardous waste. Where applicable, refer to Legislative Decree 3 April 2006, n.152 and subsequent amendments.

Section 14. Transport information

14.1. UN number Not included in the scope of the regulations on the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

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 :Bulk transport is not foreseen

Section 15. Regulatory information

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

Further information:

The evaluation of the information on the hazards of the mixtures was carried out in accordance with the criteria set out in articles 8 and 9 of the regulation (EC) n. 1272/2008.

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

Conforms to regulation (UE) 2020/878

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.

15.2. Chemical safety assessment:

The supplier did not carry out a chemical safety assessment

Section 16. Other information

Classification carried out on the basis of the data of all the components of the mixture

The information contained in this form is based on the properties of the substances known to us on the date the form was filled out. The relevant key information on the exposure scenarios that may be available for the substances is briefly included in sections 1.2, 7.3 and 8.2 of this safety data sheet. For the assessment of the safety of downstream users, the Head of this Safety Data Sheet assumes no responsibility. The downstream user is required to ensure the suitability and completeness of this information in relation to the specific use it intends to make of it. The individual scenarios that may be available are provided on request.

Bibliographic sources:

Safety data sheets of suppliers. Related exposure scenarios.

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

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

Istituto Superiore di Sanità, 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