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

1.1. Product identification:

Product name : amtra eichen extrakt

Commercial code: A3050F02-A3050096-A3050FB04-A3050901

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

Acidifier for aquariums
Products such as pH regulators, flocculants, precipitators, neutralizing agents, other non-specific products, Chemicals for water treatment
Process categories:
Direct use of the consumer.,
Uses advised against
Do not use for purposes other than those indicated

1.3. Details of the supplier of the material safety data sheet:

Via S.Alessandro, 8
21040 Castronno (VA) - Italy
Tel. +39 0332 870860
Fax. +39 0332 462439

e-mail Technical Responsible:: matteo.gamberoni@croci.net

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 mixturea

2.1.1 Classification according to Regulation (EC) No. 1272/2008:
Pictograms:
GHS05
Hazard class and category codes:
Met. Corr. 1, Skin Corr. 1, Eye Dam. 1
Hazard statement codes:
H290 - May be corrosive to metals.
H314 - Causes severe skin burns and eye damage.
H318 - Causes serious eye damage
The product can be corrosive to metals
Corrosive product: causes severe skin burns and serious eye damage.
The product, if brought into contact with the eyes, causes serious eye damage, such as corneal opacification or iris injury

2.2. Labeling elements:

Labeling in accordance with regulation (EC) no. 1272/2008:
Pictograms, warning codes:
GHS05 - Danger
Hazard statement codes:
H290 - May be corrosive to metals.
H314 - Causes severe skin burns and eye damage.
Additional hazard statement codes:
EUH208 - Contains Carrot, ext .. May cause an allergic reaction.
Precautionary statements:
General
P101 - In case of consulting a doctor, keep the container or the product label available.
P102 - Keep out of the reach of children.
Prevention
P280 - Wear protective gloves / protective clothing / eye protection / face protection.
Reaction
P301 + P330 + P331 - IF SWALLOWED: rinse mouth. DO NOT induce vomiting.
P303 + P361 + P353 - IN CASE OF CONTACT WITH SKIN (or with hair): take off immediately all contaminated clothing. Rinse the skin [or take a shower].
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.
storage
P405 - Keep locked up.
Disposal
P501 - Dispose of the product / container in accordance with the local regulations in force
Contains: Oak, Quercus alba, ext., Carrot, ext.
REGULATION (EU) n. 528/2012, contains biocides: hydrochloric acid (Disinfectants and algaecides not intended to direct application on humans or animals)
Packaging that must be fitted with a child safety lock
Packaging that must bear a tactile warning
VOC content of ready-to-use product: 0.00%

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

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
Note U - At the time of placing on the market, gases must be classified as 'gas under pressure' in one of the relevant groups of compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore must be attributed on a case by case basis.
Note 5 - The concentration limits of the gas mixtures are expressed as a volume / volume percentage.
Note B - Certain substances (acids, bases, etc.) are placed on the market in aqueous solution at different concentrations and therefore require different classification and labeling as the hazards vary according to the concentration. In Part 3, a general designation of the type is used for substances accompanied by note B: 'nitric acid ...%'. In this case, the supplier must indicate the concentration of the solution as a percentage on the label. The concentration expressed as a percentage is always understood as weight / weight, unless otherwise indicated.

Substances:	Concentration	Classification	Index	CAS	EINECS	REACh
hydrochloric acid Note: U 5 B	> 5 <= 10%	Met. Corr. 1, H290; Skin Corr. 1A, H314; Acute Tox. 3, H331; STOT SE 3, H335	017-002-00-2	7647-01-0	231-595-7	01-2119484862-27-0000

Substances	Concentration	Classification	Index	CAS	EINECS	REACh
Oak, Quercus alba, ext. - FEMA 2794	> 1 <= 5%			68917-11-3	272-838-7	Exempted Ann. V
Carrot, ext. - FEMA 2244	> 0,1 <= 1%	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Sens. 1, H317; Eye Irrit. 2, H319; Aquatic Chronic 2, H411		8015-88-1	284-545-1	exempted < 1 ton./yr

Section 4. First aid measures

4.1 Description of first aid measures:

Inhalation:
Ventilate the environment. 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):
Immediately take off all contaminated clothing.
In case of contact with the skin, wash immediately and abundantly with soap and water.
Get immediate medical attention.
Direct contact with eyes (of the pure product):
Wash immediately and abundantly with running water, with eyelids open, for at least 10 minutes; therefore protect eyes with dry sterile gauze. Seek medical attention immediately.
Do not use eye drops or ointments of any kind before an ophthalmologist visit or advice.
Ingestion:
Administer water with egg white; do not give bicarbonate.
Never induce vomiting or emesis. Seek medical attention immediately.:

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

In case of contact with the eyes there is intense burning and eye irritation.

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

In case of consultation with a doctor, keep the container or product label available. Immediately call a POISON CENTER / doctor ...

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 jets of water 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 invoalved 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 jetsso

Section 6. Accidental release measur es

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 a mask, gloves and protective clothing.
6.1.2 For those who intervene directly:
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
Quickly collect the product wearing a mask and protective clothing.

Collect the product for reuse, if possible, or for disposal. If necessary, 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.

Wear protective gloves / protective clothing / eye protection / face protection.
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 upright and safe, avoiding the possibility of falls or knocks.
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 upright and safe, avoiding the possibility of falls or knocks.
Keep away from open flames, sparks and heat sources. Avoid direct exposure to the sun.

7.3. Specific end uses:

Other (professional uses and / or consumer uses):
Handle with caution.
Store in a ventilated place away from heat sources.
Keep container tightly closed.

section 8. Exposure controls/personal protection

8.1. Control parameters:

Related to contained substances:
hydrochloric acid:

TLV: 2 ppm (Ceiling value) A4 (not classifiable as a human carcinogen); (ACGIH 2004).
MAK: 2 ppm 3.0 mg / m³ Peak limitation category: I (2); Risk group for pregnancy: C; (DFG 2004).
Carrot, ext .: None.

- Substance: hydrochloric acid
DNEL
Systemic effects Long term Workers Inhalation = 8 (mg / m3)
Systemic effects Short term Workers Inhalation = 15 (mg / m3)
Local effects Long term Workers Inhalation = 8
Local effects Long term Consumers Inhalation = 8 (mg / m3)
Local effects Short term Workers Inhalation = 15 (mg / m3) Local effects Short term Consumers Inhalation = 15 (mg / m3)

8.2. Exposure controls:

Appropriate technical checks:
Other (Professional uses and / or Consumer uses): No specific checks provided.
Individual protection measures:
a) Eye / face protection

Wear mask
b) Skin protection
i) Hand protection
Hand protection: use protective gloves:
Polychloroprene / Layer thickness 0.5 - 0.7 mm / Breakage time> 480 min (level 6) / EN 374-3
Butyl rubber / Layer thickness 0.6 - 0.8 mm / Breakthrough time> 480 min (level 6) / EN 374
Nitrile latex / Layer thickness 1.0 mm / Breakage time> 480 min (level 6)
In the laboratory: Nitrile latex / 0.1 mm layer thickness / Breakage time> 480 min (level 6) / EN 374
In the case of preparations, the resistance of work gloves to chemical agents must be checked before use in how unpredictable. The gloves have a wear time that depends on the duration and mode of use.
General recommendation: the time of use of protective gloves is recommended to be about 50% of the time measured in the laboratory.
ii) Other
During the handling of the pure product wear clothing for complete skin protection.
c) Respiratory protection
Use adequate respiratory protection (EN 14387: 2008)
d) Thermal hazards
Avoid heating the product.
Environmental exposure controls:
Related to contained substances:
Carrot, ext .:
Use according to good working practices, avoiding to disperse the product in the environment

SEZIONE 9. Proprietà fisiche e chimiche

9.1. Information on basic physical and chemical:

Physical and chemical properties	**Value**	**Determination method**
appearance	Liquid	organolettico/organoleptical/organoleptique
Odor	mild characteristic	organolettico/organoleptical/organoleptique
Odor threshold	not determined	
pH	ca. 1	UNI 24003
Melting point / freezing point not	not determined	OECD Guideline 102
Initial boiling point and boiling	ca. 100°C	ASTM D86
flammable flash point	Non-flammable	ASTM D93
Evaporation rate	not relevant	

Physical and chemical properties	Value	Determination method
Flammability (solid, gas)	non flammable	
Upper / lower flammability limits o of explosiveness	non flammable	
Vapor pressure	23 hPa	
Vapor density	not determined	
Relative density	1.0405 g/cm3	ISO 2811-2
Solubility	miscible with water	
Water solubility	miscible with water	
Partition coefficient: n-octanol / water	not determined	OECD Guideline 107
Auto-ignition temperature	non flammable	DIN 51794
Decomposition temperature	not relevant	
Viscosity	not determined	ASTM D7042
Explosive properties	not explosive	
oxidizing properties	Non oxidizing	

9.2. Other information:

VOC content of ready-to-use product: 0.00%

Section 10. Stability and reactivity

10.1. Reactivity:

No risk of reactivity if stored and handled according to the instructions on the labela.

10.2. Chemical stability:

No dangerous reaction if handled and stored according to the provisions.

10.3. Possibility of hazardous reactions:

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

10.4 Conditions to avoid:

None to report

10.5. Incompatible materials

It can generate flammable gases in contact with dithiocarbamates, mercaptans and other organic sulphides, elemental metals,strong reducing agents.
It can generate toxic gases in contact with inorganic fluorides, halogenated organic substances, sulphides, nitrides, nitriles, organophosphates, phosphothioates, strong oxidizing agents.
It can ignite in contact with dithiocarbamates, elementary metals, nitrides.

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 = 119,8 mg/l/4 h
(a) acute toxicity: based on available data the classification criteria are not met.
(b)skin corrosion / irritation:: Corrosive product: causes severe skin burns and serious eye damagei.
(c) irritation: Corrosive product: causes severe skin burns and serious eye damage. - The product, if brought into contact with the eyes, causes serious eye damage, such as corneal opacification or injury iris.
(d) respiratory or skin sensitization: based on available data, the classification criteria are not met.
(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 target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.
(i) specific target organ toxicity (STOT) repeated exposure: hydrochloric acid: No data
Oak, Quercus alba, ext .: No data
Carrot, ext .: No data
(j) aspiration hazard: based on available data, the classification criteria are not met.
Related to contained substances:
hydrochloric acid:
ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation.
INHALATION RISK: Due to a leak, a harmful concentration of this gas in the air can be reached very quickly.
EFFECTS OF SHORT-TERM EXPOSURE: Rapid evaporation of the liquid may cause freezing.
The substance is corrosive to the eyes, the skin and the respiratory tract. Inhalation of high gas concentrations can cause pneumonia and pulmonary edema, causing reactive airway dysfunction (RADS) syndrome (see Notes). The effects may be delayed. Medical observation is indicated.
EFFECTS OF LONG-TERM OR REPEATED EXPOSURE: The substance may have effects on the lungs, causing chronic bronchitis. The substance may have effects on the teeth, causing erosion.
ACUTE RISKS / SYMPTOMS
INHALATION Corrosive. Burning sensation. Cough. Respiratory difficulty. Shortness of breath. Sore throat. Symptoms may show up late (see Notes).
SKIN IN CONTACT WITH THE LIQUID: FREEZING. Corrosive. Severe skin burns. Ache.
EYES Corrosive. Ache. Blurred vision. Severe deep burns
N O T E The exposure limit value must not be exceeded at any time during the work exposure. Pulmonary edema symptoms often do not manifest themselves within a few hours and are aggravated by physical exertion. Rest and medical observation are therefore essential. Immediate administration of appropriate inhalation therapy by a doctor or personnel authorized by him / her should be considered.
CL50 Inhalation (rat) of vapor / dust / aerosol / smoke (mg / 1 / 4h) or gas (ppmV / 4h) = 8.3

Section 12. Ecological information

12.1 Toxicity:

Related to contained substances:
hydrochloric acid:
No data
Oak, Quercus alba, ext .:
No data
Carrot, ext .:
No data
Use according to good working practices, avoiding to disperse the product in the environment.

12.2 Persistence and degradability:

Related to contained substances:
hydrochloric acid:
No data
Oak, Quercus alba, ext .:
No data
Carrot, ext .:
No data

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. Empty and clean packaging can be reused, recycled or disposed of in compliance with the regulations in force on the matter.
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 N.a.

ADR / RID / IMDG / ICAO-IATA: 3264
ADR exemption because it fulfills the following characteristics:
Combined packagings: inner packaging 5 L neck 30 Kg
Internal packaging arranged in trays with shrink or stretch film: internal packaging 5 L neck 20 Kgg

14.2. UN shipping name

ADR / RID / IMDG: CORROSIVE INORGANIC LIQUID, ACID, N.O.S. (hydrochloric acid, Carrot, ext.)
ICAO-IATA: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (hydrogen chloride, Carrot, ext.)

14.3. Hazard classes related to transportation

ADR / RID / IMDG / ICAO-IATA: Class: 8
ADR / RID / IMDG / ICAO-IATA: Label: Limited
quantities ADR: Tunnel restriction code: E
ADR / RID / IMDG / ICAO-IATA: Limited quantities: 5 L
IMDG - EmS: F-A, S-B

14.4. Packing group

ADR/RID/IMDG/ICAO-IATA: III

14.5. Environmental hazards

ADR / RID / ICAO-IATA: Product not dangerous for the environment
IMDG: Marine contaminant: No

14.6. Special precautions for users

The goods must be transported by vehicles that transport dangerous goods in accordance with the requirements published in the ADR convention and in the national regulatory provisions. The goods must be in the original packaging and in containers made of materials resistant to the content and not likely to generate dangerous reactions with this. Employees for loading and unloading dangerous goods must have received adequate training on the risks present and possible procedures in case of emergency.

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:

Further information:
The assessment 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 Regulation (EC) no. 1272/2008.

EU reference legislation:
- Regulation 1907/2006 / CE (REACH) and subsequent amendments. Regulation No. 440/2008 and subsequent amendments
(REACH test methods)
- Regulation 2008/1272 / CE (CLP), current text
- Regulation 2015/830 / UE (MSDS)
- Regulation 2004/648 / CE, current text Reg. 2009/551 / CE (detergents only)
- Reg. 1223/2009 / CE (Cosmetic products), current text
- ADR 2019
Other declarations:
- The substance / mixture respects / does not fall within the scope of the following Regulations:
- Regulation 2009/1005 / CE (Ozone layer)
- Regulation 2004/850 / EC, current text Reg. 2010/757 / EC (persistent organic pollutants)
- Regulation 2008/689 / CE (import / export of dangerous chemicals)
- Directive 2003/105 / CE (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 related to EC Reg. 1139/2003, because it is not of animal origin, not it contains animal derivatives and has not come into contact in any production step with animal derivatives.
- Our company does not carry out or commission animal tests on the product or its components.
- Directives 1999/2 / CE and 1999/3 / CE: the product has not been treated with ionizing radiation.
- Directive 2010/59 / EU: the product is free of residual solvents or if present they do not exceed the maximum limits. - Directive 2008/149 / EC: the product is free from residues of unauthorized contaminants or for authorized ones the maximum limits are not exceeded.
Any registrations, restrictions, belonging to restricted categories of one or more components, are shown below. The absence of information means that no further specifications are necessary or that all components belong to the category with the lowest risk. The list of Regulations reported is not exhaustive of all the local, national and Community information applicable to the substance / mixture (including its components). For additional information contact the Person Responsible for this 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:
HP8 - Corrosive

15.2. Chemical safety assessment:

The supplier did not carry out a chemical safety assessment

Section 16. Other information

16.1. Other information

Description of the hazard statements set out in point 3
H290 = Can be corrosive to metals.
H314 = Causes severe skin burns and eye damage.
H331 = Toxic if inhaled.
H335 = May irritate the respiratory tract.
H226 = Flammable liquid and vapor.
H304 = May be fatal if swallowed and enters airways.
H317 = May cause an allergic skin reaction.
H319 = Causes serious eye irritation.
H411 = Toxic to aquatic life with long lasting effects.

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