

Conforms to regulation (UE) 2020/878

AMTRA- EICHEN EXTRAKT

Issued: 22/09/2023

Revision: 3 Pag. 1 a 13

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

1.1. Product identification:

Product name: AMTRA- EICHEN EXTRAKT

Commercial code: A3050FB4 - A3050901 - A3050F02 - A3050096

UFI: NV00-00F1-T00H-983T

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

Description / Uses: 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, Use by Professional Operators

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

Competent person responsible for the safety data sheet: Quality department

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 Norvegia Poison Center: 22 59 13 00

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

Spagna Centro Informativo Antiveleni (ES): +34 91 562 04 20 Svezia 112 - ask for Poisons Information

Section 2. Hazards Identification

2.1. <u>Classification of the substance or mixture</u>

Classification according to Regulation (EC) No 1272/2008.

Pictograms (code):



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GHS05

Class codes and category of danger:

Met. Corr. 1

Hazard indication codes:

H290 - May be corrosive to metals.

The product can be corrosive to metals.

2.2. Labeling elements:

Labelling according Regulation (EC) No 1272/2008.

Pictogram: GHS05



Signal word: WARNING Hazard Statements:

H290 - May be corrosive to metals.

Precautionary Statements:

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

2.3. Other hazards:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Avoid contact with eyes.

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

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



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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.

Name of substance	x = Conc. %	Classification acc. to GHS
hydrochloric acid	>= 5 < 10%	Met. Corr. 1, H290;
Note: U 5 B		Skin Corr. 1B, H314; STOT SE 3, H335
CAS 7647-01-0		Limits:
EC 231-595-7		Skin Corr. 1B, H314 %C >=25;
INDEX 017-002-01-X		Eye Irrit. 2, H319 10<=%C <25;
REACH Reg. 01-2119484862-27-0000		STOT SE 3, H335 %C >=10;
		Skin Irrit. 2, H315 10<= %C <25;
		ATE inhal = 8,3mg/l/4 h

For full text of abbreviations: see SECTION 16.

Further information:

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):

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;

Ingestion:

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

4.2. <u>Most important symptoms and effects, both acute and delayed:</u>

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

4.3. <u>Indication of any immediate medical attention and special treatment</u>:

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

Section 5. Fire-fighting measures

5.1. **Extinguishing media:**

Suitable extinguishing media:

Water spray, CO2, foam, chemical powders depending on the materials involved in the fire.

Unsuitable extinguishing media

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:**



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Hydrochloric Acid Gas. Not combustible

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 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

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. Additional information

Refer to points 8 and 13 for more information.

Section 7. Handling and storage

7.1. <u>Precautions for safe handling:</u>

Rinse your hands thoroughly with plenty of running water after use.

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.



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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.

Keep containers away from any incompatible materials, checking section 10.

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. Exposure limit values:

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).

- 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 control:

Appropriate technical checks:

- Keep containers closed.
- Do not breathe the vapors.
- Ensure good ventilation / air exchange.
- Handle and use with care, avoiding splashes on skin and eyes.
- Always keep in its own container / packaging, intact and undamaged.
- Keep away from food, drink and pet food.
- Do not eat, drink or smoke while handling.
- Wash your hands thoroughly with soap and water after use and before meals.

Other (Professional and / or Consumer Uses): No specific control expected.

Individual protection measures:

a) Eye / face protection

When handling the pure product use safety goggles (cage goggles) (EN 166).



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b) Skin 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

Not necessary for normal use.

d) Thermal hazards

Avoid heating the product.

Environmental exposure controls:

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

Physical and chemical properties

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	
рН	ca. 1	UNI 24003
Melting point / freezing point not	not determined	OECD Guideline 102
Initial boiling point and boiling	ca. 102,5°C	ASTM D86
flammable flash point	Non-flammable	ASTM D93
Evaporation rate	not relevant	
Flammability (solid, gas)	non flammable	
Upper / lower flammability limits o of	non flammable	
explosiveness		
Vapor pressure	not determined	
Vapor density	not determined	
Relative density	1.05 g/cm3 at 20°C	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



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Decomposition temperature	not relevant	
Viscosity	not determined	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:**

The product is corrosive towards metals

10.2. Chemical stability:

The mixture is stable under normal conditions of use and storage

10.3. **Possibility of hazardous reactions:**

The product can react dangerously in contact with metals and their alloys.

10.4 **Conditions to avoid:**

Avoid heating the product. Do not heat closed containers. Avoid contact with oxidising materials, open flames, sparks and hot surfaces.

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. <u>Hazardous decomposition products:</u>

In case of fire, dangerous vapors and gases (Hydrochloric Acid gas) may be released. In case of contact with metals, hydrogen gas can be released.

Section 11. Toxicological information

11.1 Information on the hazard classes defined in Regulation (EC) No. 1272/2008:

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.



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- (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 have been carried out on this preparation. The health hazards were 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 compliance 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 since an unpredictable synergy effect cannot be excluded on particularly sensitive people.

In particular:

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

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

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 can cause irritation to the respiratory tract.

Related to the substances contained:

hydrochloric acid:

ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation.

INHALATION RISK: Causes 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 can cause frostbite.

The substance is corrosive to the eyes, the skin and the respiratory tract. Inhalation of high concentrations of the gas can cause pneumonia and pulmonary edema, causing reactive airway dysfunction syndrome (RADS) (see Notes). Effects can be delayed. Medical observation is indicated.

EFFECTS OF LONG-TERM OR REPEATED EXPOSURE: The substance may have effects on the lungs, resulting in chronic bronchitis. The substance may have effects on the teeth, resulting in erosion.

ACUTE RISKS / SYMPTOMS

INHALATION: Corrosive. Burning sensation. Cough. Breathing difficulty. Wheezing. Sore throat. Symptoms may be delayed (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 occupational exposure. Symptoms of pulmonary edema often do not appear for a few hours and are aggravated by physical exertion. Rest and medical



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observation are therefore essential. The immediate administration of appropriate inhalation therapy by a doctor or personnel authorized by him / her should be envisaged.

LC50 Inhalation (rat) of vapor / dust / aerosol / smoke (mg / 1 / 4h) or gas (ppmV / 4h) = 8.3

11.2. Information on other hazards

Information not available.

Section 12. Ecological information

12.1 **Toxicity:**

Related to the substances contained:

hydrochloric acid:

No data

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

12.2 Persistence and degradability:

Related to the substances contained:

hydrochloric acid: no data

12.3 **Bio accumulative potential:**

Information not available

12.4 **Mobility in the soil:**

Information not available.

12.5 Results of PBT and vPvB assessment:

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

12.6 Other adverse effects:

Information not available

Section 13. Disposal considerations

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.

Refer to the environmental label for detailed instructions. Check the provisions of your municipality.

Section 14. Transport information

14.1. UN number

ADR / RID / IMDG / ICAO-IATA: 1789



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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 Kg

14.2. UN shipping name

ADR/RID/IMDG: ACIDO CLORIDRICO ICAO-IATA: HYDROCHLORIC ACID

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 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 Regulation (EC) no. 1272/2008.

EU reference legislation:

- Regulation (EC) 1907/2006 (REACH), current text.
- Regulation (EC) 440/2008 (REACH test methods), current text.
- Regulation (EC) 1272/2008 (CLP), current text.
- Regulation (EU) 878/2020 (drafting of safety data sheets).
- Regulation (EC) 648/2004, current text (relating to detergents).
- Regulation (EC) 1223/2009, current text (cosmetic products).



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- ADR 2021 agreement

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

- Regulation (EC) 1005/2009, current text (substances that reduce the Ozone Layer)
- Regulation (EU) 2019/1021, current text (persistent organic pollutants POPs)
- Regulation (EU) 649/2012, current text (export and import of dangerous chemicals)
- Directive (EU) 2012/18 (Seveso III)

Other statements:

- The product is free from GMOs (genetically modified organisms), it is not obtained or derived from GMOs, as defined in Regulation (EC) 834/2007, current text
- The product is excluded from the field of application of Regulation (EC) 1139/2003 (BSE) and Regulation (EC) no. 999/2001 (TSE), current text, because it is not of animal origin, does not contain animal derivatives and has not come into contact in any stage of production with derivatives of animal origin.
- Our company does not carry out or commission animal tests on the product or its components.
- The product has not been treated with ionizing radiation.
- Directive 2010/59 / EU: the product is free from residual solvents or if present these do not exceed the maximum limits set in the Directive.
- The product is free from residues of unauthorized contaminants or limits are not exceeded for those authorized maximums provided for in Regulation (EC) 396/2005, current text.

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

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 ECHA database of chemicals.

REGULATION (EU) N. 1357/2014 - waste:

HP4 - Irritant - Skin irritation and eye damage

Substances in Candidate List (Article 59 REACH)

Based on available data, no SVHC substances are present

15.2. Chemical Safety Assessment

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

Section 16. Other information

Points modified with respect to the previous revision: 1.1. Product identifier, 2.1. Classification of the substance o of the mixture, 2.2. Label elements, 2.3. Other dangers, 4.1. Description of first aid measures, 4.3.



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Indication of any immediate medical attention and special treatment needed, 5.3.

Advice for fire-fighters, 6.4. Reference to other sections, 7.1. Precautions for the

safe handling, 7.2. Conditions for safe storage, including any incompatibilities, 8.1.

Control parameters, 10.4. Conditions to avoid, 10.6. Hazardous decomposition products, 11.1. Information on hazard classes defined in Regulation (EC) No. 1272/2008, 12.5. Results of PBT and vPvB assessment, 12.6.

Properties of interference with the endocrine system, 13.1. Waste treatment methods, 15.1. Legislative provisions e specific health, safety and environmental regulations for the substance or mixture

Description of the hazard statements set out in point 3

H290 = Can be corrosive to metals.

H314 = Causes severe skin burns and eye damage.

H335 = May irritate the respiratory tract.

Classification and procedure used to derive it according to Regulation (EC) 1272/2008 [CLP] in relation to blends:

Classification according to Regulation (EC) No. 1272/2008

H290 = Can be corrosive to metals.

Classification procedure: Method of calculation

The information contained in this sheet is provided in good faith and is based on the current state of knowledge scientific and technical, known to us, at the date of revision of the sheet. This sheet must not be interpreted safety as a guarantee of any specific property of the substance / mixture. Relevant key information on possibly available exposure scenarios for the substances are summarized in sections 1.2, 7.3 and 8.2 of this safety data sheet. The information relates only to the substance / mixture specifically designated in section 1 and are not valid if the substance / mixture is used in combination with other materials or in processes not specifically mentioned in section 1.

The recipient of this Safety Data Sheet is required to ensure that the information contained is read and understood by all persons who manipulate, store, use, or otherwise come into contact in any with the substance / mixture to which this sheet refers. In particular the recipient must provide adequate training for personnel assigned to the use of substances or mixtures. The recipient must ensure the suitability e completeness of the information in relation to the specific use it makes of the substance / mixture. The substance / mixture to which this sheet refers must not be used for uses other than those specified in section 1. The Manager of the Safety Data Sheet assumes no responsibility for improper use. Since the use of the product does not fall under the direct control of the supplier, it is the user's obligation to comply, under his own responsibility, with the laws and regulations in force on national and Community hygiene and safety matters.

Additional contact person responsible for the contents of the safety data sheet:

Fabrizio Cioci. Tel. +39 3383446012 info@consulting-in-cosmetics.com

Bibliography:

Supplier Safety Data Sheets. Related exposure scenarios.

European Commission, Health and Consumers, ECETOC center for chemical safety assessment

EFSA Journal. European Food Safety Authority

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

eChemPortal (OECD) Existing Chemicals Database

U.S. National Library of Medicine: ChemIDplus

CIR. Cosmetic Ingredient review



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

EFFA code of practices. IFRA Standards Library. RIFM Fragrance Material Safety Assessment Center

FEMA Flavor Ingredients Library

INRS Fiche Toxicologique

U.S. National Toxicology Program. NIOSH Pocket Guide to Chemical Hazard

U.S. FDA. SCOGS Selected Committee on GRAS Substances

BIBRA Toxicology advice & consulting

HERA Human and Environmental Risk Assessment on ingredients of household cleaning products

Pubchem Database

WHO. INCHEM Internationalally Peer Reviewed CHemical Safety Information

NICNAS Australian Industrial Chemicals Intruduction Scheme

USDA Dr. Duke's Phytochemical and Ethnobotanical Databases