

## ENGLISH

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifiers

Product name: Eugon Supplement  
 Product Number: 80120

#### 1.2 Identified uses of the relevant substance or mixture and uses advised against

Identified uses relevant: Professional uses, Health Services, scientific research and development

#### 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Liofilchem®  
 Address: Via Scozia, 64026 - Roseto degli Abruzzi (TE)  
 Telephone number: 085/8930745  
 Fax number: 085/8930330  
 E-mail address: liofilchem@liofilchem.com

#### 1.4 Emergency telephone number

+39 02-66101029 (Centro Antiveleni Niguarda Cà Granda - Milano).

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**

Eye Irrit. 2, Causes serious eye irritation, category 1B; H350

#### 2.2 Label elements

**Labelling according Regulation (EC) No 1272/2008 [CLP]**

##### Pictogram



##### Signal word

Warning

##### Hazard statement(s)

H319 Causes serious eye irritation

##### Consigli di prudenza

P280 Wear protective gloves/protective clothing/eye protection/face protection  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Supplemental Hazard Statements:** none

**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.

### SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.2 Mixtures:

##### Hazardous substances

CAS n°	EC n°	Index n°	Registration number REACH	Concentration	Classification according Regulation (EC) No 1272/2008
<b>Sodium dodecyl sulphate</b>					
151-21-3	205-788-1	-	-	1,5 %	Flam. Sol. 2; Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; STOT SE 3; Aquatic Chronic 3; H228, H302, H315, H318, H335, H412

For the full text of H codes and R phrases mentioned in this section, see section 16

## SECTION 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact:** Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

no data available

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

no data available

## SECTION 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Special hazards arising from the substance or mixture

Carbon oxides.

### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Ensure adequate ventilation.

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided

### 6.3 Metodi e materiali per il contenimento e per la bonifica

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For information on safe handling, see Chapter 7.

For information on personal protection equipment see Chapter 8.

For disposal information see Chapter 13.

## SECTION 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Provide appropriate exhaust ventilation at places where dust is formed.

Do not eat, drink or smoke in work areas, wash hands after use; and remove contaminated clothing and protective equipment before entering areas where you eat.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature, see the product label.

### 7.3 Specific end uses

Apart from the uses described in section 1.2 are not covered other specific uses.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

no data available

### 8.2 Exposure controls

#### Exposure controls

Handle in accordance with good hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

Eyes/Face Protection: It is advisable wear safety goggles

Skin protection: Handle with gloves  
 Body Protection: Use protective clothes in accordance with laboratory good practices.  
 Respiratory protection: It is advisable wear dust mask.

**Environmental exposure control**

For information relating to environmental precautions, see chapter 6.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

**Appearance**

Form Liquid  
 Color Yellowish, opalescent

**Odour**

No data available

**pH**

No data available

**Melting point/ freezing point**

No data available

**Initial boiling point and boiling range**

No data available

**Evaporation rate**

No data available

**Flammability (solid, gas)**

No data available

**Upper / lower flammability or explosive limits**

No data available

**Flash point**

Not applicable

**Auto-ignition temperature**

Not applicable

**Decomposition temperature**

Not applicable

**Vapour pressure**

No data available

**Vapour density**

No data available

**Relative density**

No data available

**Water solubility**

Soluble

**Partition coefficient: n-octanol/water**

Not applicable

**Viscosity**

No data available

**Explosive properties**

No data available

**Oxidizing properties**

No data available

**9.2 Other safety information**

no data available

**SECTION 10. STABILITY AND REACTIVITY**

**10.1 Reactivity**

no data available

**10.2 Chemical stability**

Stable under recommended storage conditions

**10.3 Possibility of hazardous reactions**

no data available

**10.4 Conditions to avoid**

Exposure to direct solar light.

**10.5 Incompatible materials**

Strong oxidising agents.

**10.6 Hazardous decomposition products**

No decomposition when used for the intended uses.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**Acute toxicity:**

▪ **Sodium dodecyl sulphate**

Parameter : LD50  
 Exposure route : Oral  
 Species : Rat (female)  
 Effective dose : 977 mg/kg

Parameter : LD50  
 Exposure route : Oral  
 Species : Rat (male – female)  
 Effective dose : >2000 mg/kg

**Skin corrosion/irritation:** Sodium dodecyl sulfate is irritating to skin – 24 h (Test on rabbit)

**Serious eye damage/eye irritation:** Sodium dodecyl sulphate has irreversible effects on the eyes - 24 h (Test on rabbit)

**Respiratory or skin sensitization:** no data available

**Germ cell mutagenicity:** no data available

**Carcinogenicity:** no data available

**Reproductive toxicity:** no data available

**Specific target organ toxicity - single exposure:** no data available

**Specific target organ toxicity - repeated exposure:** no data available

**Aspiration hazard:** no data available

**Additional information:** RTECS: no data available

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### ▪ Sodium dodecyl sulphate

- Toxicity to fish:  
Flow-through test LC50 - Pimephales promelas (Chub) - 29 mg/l - 96 h
- Toxicity to fish (chronic toxicity):  
Flow-through test NOEC - Pimephales promelas (Chub) -  $\geq$  1,36 mg/l - 42 d
- Toxicity to daphnia and other aquatic invertebrates:  
Flow-through test NOEC - Ceriodaphnia dubia (water flea) - 0,88 mg/l – 7 d
- Toxicity to daphnia and other aquatic invertebrates chronic toxicity:  
Flow-through test EC50 - Ceriodaphnia dubia (water flea) - 5,55 mg/l - 48 h
- Toxicity to algae  
\_Static test EC50r - Desmodesmus subspicatus (green algae) -  $>$  120 mg/l - 72 h
- Toxicity to bacteria  
Static test CE50 - activated sludge - 135 mg/l - 3 hours

### 12.2 Persistence and degradability

#### ▪ Sodium dodecyl sulphate (biodegradability)

Aerobic - Exposure time 28 d Result: 95 % - Readily biodegradable

### 12.3 Bioaccumulative potential

#### ▪ Sodium dodecyl sulphate (bioaccumulation)

Cyprinus carpio (Carp) - 72 h  $\rightarrow$  Bioconcentration factor (BCF): 3.9 - 5.3

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

This mixture contains no substances evaluated PBT or vPvB

### 12.6 Endocrine disrupting properties

The mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

no data available

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Product

Not be disposed of with household waste. Do not discharge into sewers.

The product must be specially treated adhering to official regulations administrative. Offer surplus and non-recyclable solutions to a licensed disposal company.

#### Contaminated packaging

Dispose of as unused product.

## SECTION 14. TRANSPORT INFORMATION

### 14.1 UN number

ADR/RID: -                                      IMDG: -                                      IATA: -

### 14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

### 14.3 Transport hazard class(es)

ADR/RID: -                                      IMDG: -                                      IATA: -

### 14.4 Packaging group

ADR/RID: -                                      IMDG: -                                      IATA: -

### 14.5 Environmental hazards

ADR/RID: no                                      IMDG: no                                      IATA: no

### 14.6 Special precautions for user

no data available

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

no data available

## 15. REGULATORY INFORMATION

This safety datasheet complies with:

- the requirements of European Parliament and of the Council Regulation (EC) No. 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) and Commission Regulation (EU) No. 453/2010 amending Commission Regulation (EC) No. 1907/2006.
- the requirements of Commission Regulation EU 2020/878

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

The product is classified, coded and labeled in accordance with EU Regulation on Hazardous Materials.

### 15.2 Chemical Safety Assessment

This product has not been made a chemical safety assessment.

## 16. OTHER INFORMATION

### Text of H code(s) and R-phrase(s) mentioned in Section 3

Eye Irrit. 2, Eye irritation (Category 2);

Flam. Sol. 2, Flammable solids (Category 2);

Acute Tox. 4, Acute toxicity, Oral (Category 4)

Skin Irrit. 2, Skin irritation (Category 2)

Eye Dam. 1, Serious eye damage (Category 1)

STOT SE 3, Specific target organ toxicity - single exposure (Category 3), Respiratory system

Aquatic Chronic 3, long-term (chronic) aquatic hazard (Category 3)

H228 Flammable solid

H302 Harmful if swallowed

H315 Causes skin irritation

H318 Causes serious eye damage

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H412 Harmful to aquatic life with long lasting effects

### Abbreviations and acronyms

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%

- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure

### **Training advice**

The product must be used by qualified personnel. It is recommended to provide basic training with regard to safety and health at work to ensure proper handling of the product.

### **Further information**

The information in this document is based on the present state of our knowledge. The user must ensure the accuracy and completeness of such information in relation to the specific use intended.

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