

## ENGLISH

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

#### 1.1 Product identifiers

Product name: CFC (Pseudomonas) supplement  
 Product Number: 81049

#### 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]**

Skin. Sens.1; Skin sensitisation, Category 1, H317  
 Eye Irrit. 2; Eye irritation, Category 2, H319

#### 2.2 Label elements

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

##### Pictogram



##### Signal word

Warning

##### Hazard statement(s)

H317 May cause an allergic skin reaction  
 H319 .

##### Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapours/spray  
 P264 Wash hands thoroughly after handling  
 P272 Contaminated work clothing should not be allowed out of the workplace  
 P280 Wear protective gloves/protective clothing/eye protection  
 P302 + P352 IF ON SKIN: Wash with soap and water  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
 P333 + P313 If skin irritation or a rash occurs: Get medical advice  
 P337 + P313 If eye irritation persists get medical advice  
 P363 Wash contaminated clothing before reuse

**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>Hexadecyltrimethylammonium bromide</b>					
57-09-0	200-311-3	-	01-2119989160-35-XXXX	1,5 %	Acute Tox. 4 H302 Skin. Irrit.2; H315 Eye Dam.1, H318 STOT-SE.3, H335 STOT-RE.2, H373 Aquatic Acute.1, H400 Aquatic Chronic.2, H410

Fusidic Acid Sodium Salt					
751-94-0	-	-	-	1,5 %	Acute Tox. 4 H302

Cefonicid sodium					
61270-78-8	-	-	-	8,3 %	Skin Sens. H317 STOT-SE.1, H334

**Additional Information:**

For full text of H-statements, 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:** Flush skin and hair with running water and soap. Seek medical attention in event of irritation.

**In case of eye contact:** After eye contact: rinse out with plenty of water. Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing

**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 Methods and material for containment and cleaning up**

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 as precaution. 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**

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 Freeze-dried powder

Color White

#### 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

no data available

### 10.5 Incompatible materials

no data available

### 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:

- **Hexadecyltrimethylammonium bromide (CAS 57-09-0)**  
LD50 Oral - Rat - 1550 mg/kg  
LD50 Dermal - Rabbit - male and female - 2.150 mg/kg
- **Fusidic Acid Sodium Salt (CAS 751-94-0)**  
LD50 Oral - mouse – 1,500mg/kg

#### Skin corrosion/irritation:

- **Hexadecyltrimethylammonium bromide (CAS 57-09-0)**  
Skin – Rabbit Result: Irritating to skin. - 24 h

#### Serious eye damage/eye irritation

- **Hexadecyltrimethylammonium bromide (CAS 57-09-0)**  
Skin – Rabbit Result: Irritating to skin. - 24 h

**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

**11.2 Information on other hazards:** no data available

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

no data available

### 12.2 Persistence and degradability

no data available

### 12.3 Bioaccumulative potential

no data available

### 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) mentioned in Section 3

Acute Tox. 4 Acute Toxicity (Oral) Category 4

Skin. Irrit.2; Skin Irritation, Category 2

Skin Sens.1, Skin Sensitation, Category 1

Eye Dam.1, Eye Damage, Category 1

STOT-SE.1, Specific target organ toxicity - single exposure, (Category 1),

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

STOT-RE.2, Specific target organ toxicity - repeated exposure, (Category 3),

Aquatic Acute.1, Short-term (acute) aquatic hazard, (Category 1),

Aquatic Chronic.2, Short-term (acute) aquatic hazard, (Category 1).

H302 Harmful if swallowed

H315 Causes skin irritation

H317 Causes serious eye damage

H318 Causes serious eye damage

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation

H373 May cause damage to organs (Gastrointestinal tract) through prolonged or repeated exposure if swallowed

H400 Very toxic to aquatic life

H410 Very toxic 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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Previous date: 01.06.2015

Revision date: 03.01.2024

Revision Number: rev. 4