

## MATERIAL SAFETY DATA SHEET

### Cefixime Trihydrate

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

##### **1.1 Product identifiers :**

Product name : Cefixime Trihydrate

Product number : 0079350371

Brand : Discovery

Reach No.: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require registration or the registration is envisaged for a later

Registration deadline.

Cas No. : 79350-37-1

##### **1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : laboratory chemicals, manufacture of substances

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

Company: Discovery Fine Chemicals Ltd  
Unit 4A, Old Forge Road, Ferndown Ind. Estate,  
Wimborne, Dorset, BH21 7RR.  
United Kingdom

Telephone: +44 (0)1202 874517

Fax: +44 (0)845 0944 385

E-mail: [discovery@discofinechem.com](mailto:discovery@discofinechem.com)

##### **1.4 Emergency telephone : +44 (0)7912 646956**

#### **SECTION 2. HAZARDS IDENTIFICATION**

##### **2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567**

H317 Respiratory sensitization (Category 1),

H334 Skin sensitization (Category 1), H317

For the full text of the H-Statements mentioned in this Section, see Section 16.

##### **2.2 Label elements**

**Labelling according Regulation (EC) No 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567**

##### **Pictogram**



##### **Signal Word**

**Danger**

##### **Hazard statement(s)**

H317 May cause an allergic skin reaction.

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

##### **Precautionary statement(s)**

P261 Avoid breathing dust.

P280 Wear protective gloves.

P342+ P311 If experiencing respiratory symptoms call a poison centre

##### **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**

##### **3.1 Substances**

Formula: C<sub>16</sub>H<sub>15</sub>N<sub>5</sub>O<sub>7</sub>S<sub>2</sub> · 3H<sub>2</sub>O

Molecular Weight: 507.50 g/mol  
Cas No: 79350-37-1

Component

**Cefixime Trihydrate**  
CAS-No.79350-37-1

**Classification**

Resp. sens 1; Skin sens.1  
H317,H334

**Concentration**

<=100%

For the full text of the H-Statements mentioned in this Section, see Section 16.

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General advice

Show this safety data sheet to the doctor in attendance.

**If inhaled** - If breathed in, move person into fresh air. Consult a doctor if feeling unwell.

**In case of skin contact** – Remove all contaminated clothing. Rinse skin with water. Consult a physician.

**In case of eye contact** – Flush eyes with water. Remove contact lenses. Call an ophthalmologist.

**If swallowed** – Make victim drink water (two glasses at most) and consult a doctor

**4.2 Most important symptoms and effects, both acute and delayed** – the most important known symptoms and effects are described in the labelling (see section 2.2 and/or in section 11).

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

Do not induce vomiting

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

**Suitable extinguishing media** – use water foam carbon dioxide (CO<sub>2</sub>)

**Unsuitable extinguishing media** – for this substance no limitations of extinguishing agents are given.

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

In combustion emits toxic fumes

**5.3 Advice for firefighters** – stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance.

**5.4 Further information** – Prevent fire extinguishing water from contaminating surface water or the ground water system.

## 6. ACCIDENTAL RELEASE MEASURES

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

Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area. For personal protection see section 8.

**6.2 Environmental precautions** - Do not let product enter drains.

**6.3 Methods and materials for containment and cleaning up** – pick up and arrange disposal without creating dust. Sweep and shovel up. Keep in suitable closed containers for disposal.

**6.4 Reference to other sections** - For disposal see section 13.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Work under hood. Do not inhale substance/mixture.

#### Hygiene measures

Immediately change contaminated clothing, apply preventative skin protection. Wash hands and face after working with substance.

For precautions see section 2.2

### 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: 2-8°C.

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

## 8.2 Exposure controls

### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### Skin protection

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: [www.kcl.de](http://www.kcl.de)).

Full contact Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min Material tested:KCL 741 Dermatril® L

Splash contact Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested:KCL 741 Dermatril® L

### Body Protection

protective clothing Respiratory protection required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type P2.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

### Control of environmental exposure

Do not let product enter drains.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

- a) Appearance - Form: solid, white
- b) Odour - no data available
- c) Odour Threshold - no data available
- d) Melting point/range: - no data available
- e) Initial boiling point and boiling range - no data available
- f) Flammability (solid, gas) - no data available
- g) Upper/lower flammability or explosive limits - no data available
- h) Flash point – not applicable
- i) Autoignition temperature - no data available
- j) Decomposition temperature - no data available
- k) pH - no data available
- l) Viscosity – viscosity,kinematic: no data available  
- viscosity dynamic: no data available
- m) Water solubility – no data available
- n) Partition coefficient: no data available .
- o) Vapour pressure - no data available
- p) Density - no data available  
Relative density – no data available
- q) Relative vapour density - no data available
- r) Particle characteristics - no data available
- s) Explosive properties – no data available
- t) Oxidizing properties - no data available

### 9.2 Other safety information - no data available

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

The product is chemically stable under recommended storage conditions

### 10.3 Possibility of hazardous reactions

Decomposition may occur on exposure to heat or materials in 10.5

### 10.4 Conditions to avoid

no data available

### 10.5 Incompatible materials

Strong acids and oxidizing agents

### 10.6 Hazardous decomposition products

In the event of fire see section 5

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

LD50 oral- no data available

Inhalation – irritating to respiratory system

Dermal – no data available

**Skin corrosion/irritation** - no data available

#### Serious eye damage/eye irritation

no data available

#### 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

### 11.2 Additional Information

#### Endocrine disrupting properties

##### Product

##### Assessment

The substance/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.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity - no data available

### 12.2 Persistence and degradability - no data available

### 12.3 Bio-accumulative potential - no data available

### 12.4 Mobility in soil - no data available

### 12.5 Results of PBT and vPvB assessment

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

### 12.6 Endocrine disrupting properties

#### Product

#### Assessment

The substance/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

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Product

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself according to notice directive on waste 2008/98/EC.

## 14. TRANSPORT INFORMATION

### 14.1 UN number NONE

**14.2 UN proper shipping name**

ADR/RID: none

IMDG: none

IATA: none

**14.3 Transport hazard class(es)**

ADR/RID: - none

**14.4 Packaging group**

ADR/RID: - none

**14.5 Environmental hazards**

ADR/RID: no IMDG Marine Pollutant: no IATA: no

**14.6 Special precautions for user**

**Further Information**

Not classified as dangerous in the meaning of transport regulations

**15. REGULATORY INFORMATION**

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Other regulations**

Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable.

Take note of DIR 94/33/EC on the protection of young people at work

**15.2 Chemical Safety Assessment –**

For this product a chemical safety assessment was not carried out.

**16. OTHER INFORMATION**

**Hazard statement(s)**

H317 May cause an allergic skin reaction.

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

**Precautionary statement(s)**

P261 Avoid breathing dust.

P280 Wear protective gloves.

P342 + P311 If experiencing respiratory symptoms consult a doctor

**Further information**

**WARRANTY**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product.

Discover the Future, the Future is Discovery.

[www.discofinechem.com](http://www.discofinechem.com)

## APPENDIX

### ABBREVIATIONS FULL TEXT

ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR European Agreement concerning the International Carriage of Dangerous Goods by Road  
ALARP As low as is reasonably practicable  
CAS Chemical Abstracts Service  
CLP Classification, Labelling and Packaging Regulations  
COSHH Control of Substances Hazardous to Health EC Number European Community Number  
EC50 Effective Concentration 50%  
ECHA European Chemicals Agency  
ELINCS European List of Notified Chemical Substances  
EINECS European Inventory of Existing Commercial Chemical Substances GHS Globally Harmonised System HSE  
Health & Safety Executive UK  
IATA International Air Transport Association  
IM Intramuscular  
IMDG The International Maritime Dangerous Goods Code  
IP Intraperitoneal  
IV Intravascular  
LD50 Lethal Dose 50%  
LOEC Lowest Observable Effective Concentration  
LTEL Long Term Exposure Limit  
NOEC No Observable Effective Concentration  
OECD Organisation for Economic Cooperations and Development  
OSHA European Agency for Safety and Health at work  
PBT Persistent Bioaccumulative and Toxic substance  
PPE Personal Protective Equipment  
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID Regulations Concerning the International Carriage of Dangerous Goods by Rail  
SC Subcutaneous  
SDS Safety Data Sheet  
SIEF Substance Information Exchange Forum  
STEL Short Term Exposure Limit  
SVHC Substance of Very High Concern  
VOC Volatile Organic Compounds  
vPvB Very Persistent and Very Bioaccumulative  
WEL Workplace Exposure Limits