

### Material Safety Data sheet

#### Section 1: Product and Company Information

|                         |  |                        |                  |
|-------------------------|--|------------------------|------------------|
| <b>Product Name</b>     | Cefixime Trihydrate  |                        |                  |
| <b>Catalogue Number</b> | i880230  | <b>Technical Phone</b> | 0098 21 66787291 |
| <b>E-mail</b>           | ibresco@gmail.com  | <b>Fax No</b>          | 09391003565      |
| <b>Company Address</b>  | Zist Kavosh Iranian, No.432, East Kokab Av,45 Metri Golshahr, Karaj, Iran. |                        |                  |

#### Section 2: Hazards Identification

##### Classification of the substance or mixture

##### GHS Classification in accordance with Hazardous Products Regulations (HPR) (SOR/2015-17)

Respiratory sensitization (Category 1), H334

Skin sensitization (Category 1), H317

##### GHS Label elements, including precautionary statements

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/ fume/ gas/ mist/ vapors/ spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves.

P284 Wear respiratory protection.

P302 + P352 IF ON SKIN: Wash with plenty of water.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/ container to an approved waste disposal plant.

##### Hazards not otherwise classified (HNOC) or not covered by GHS

none

#### Section 3: Composition / Information on Ingredients

##### Mixture

| Component                  | Classification   | Concentration*            |
|----------------------------|--|---------------------------|
| <b>Cefixime trihydrate</b> |  |                           |
| 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 | Resp. Sens. 1; Skin Sens. |
| Molecular weight           | 507.50 g/mol   | 1; H334, H317             |
|                            |  | <= 100 %                  |

|         |             |  |  |
|---------|-------------|--|--|
| CAS-No. | 125110-14-7 |  |  |
|---------|-------------|--|--|

\* Weight %

#### Section 4: First Aid Measures

##### Description of first-aid measures

|                                |  |
|--------------------------------|--|
| <b>General advice</b>          | Consult a physician. Show this material safety data sheet to the doctor in attendance. Move out of dangerous area. |
| <b>If inhaled</b>              | If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.    |
| <b>In case of skin contact</b> | Wash off with soap and plenty of water. Consult a physician.   |
| <b>In case of eye contact</b>  | Flush eyes with water as a precaution.   |
| <b>If swallowed</b>            | Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.                |

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

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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

No data available

#### Section 5: Fire Fighting Measures

##### Extinguishing media

##### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Carbon oxides

Nitrogen oxides (NOx)

Sulfur oxides

##### Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

##### Further information

No data available

#### Section 6: Accidental Release Measures

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

##### Environmental precautions

Do not let product enter drains.

##### Methods and materials for containment and cleaning up

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

##### Reference to other sections

For disposal see section 13.

## Section 7: Handling and Storage

### Precautions for safe handling

#### Advice on safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

#### Advice on protection against fire and explosion

Provide appropriate exhaust ventilation at places where dust is formed.

#### Hygiene measures

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

For precautions see section 2.

### Conditions for safe storage, including any incompatibilities

**Storage conditions** Keep container tightly closed in a dry and well-ventilated place.  
Store under inert gas. Air sensitive. Keep in a dry place.

**Storage class** Storage class (TRGS 510): 13: Non-Combustible Solids

## Section 8: Exposure Controls / Personal Protection

### Control parameters

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### Exposure controls

#### Appropriate engineering controls

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

#### Personal protective equipment

##### Eye/face protection

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

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

##### Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Control of environmental exposure

Do not let product enter drains.

## Section 9: Physical and Chemical Properties

|   |                   |
|---|-------------------|
| Physical state                          | Powder            |
| Color                                   | light yellow      |
| Odor                                    | No data available |
| Odor Threshold                          | 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                                  | No data available |
| Vapor pressure                               | No data available |
| Vapor density                                | No data available |
| Autoignition temperature                     | No data available |
| Decomposition temperature                    | No data available |
| pH   | 2.6 - 4.1         |
| Viscosity                                    | No data available |
| Water solubility                             | No data available |
| Partition coefficient: n-octanol/water       | No data available |
| Density                                      | No data available |
| Relative density                             | No data available |
| Explosive properties                         | No data available |
| Oxidizing properties                         | No data available |
| <b>Other safety information</b>              | No data available |

### Section 10: Stability and Reactivity

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

No data available

**Conditions to avoid**

No data available

**Incompatible materials**

Strong oxidizing agents

**Hazardous decomposition products**

In the event of fire: see section 5

### Section 11: Toxicological Information

**Information on toxicological effects**

**Mixture**

Oral: No data available

Inhalation: No data available

Dermal: No data available

No data available

**Skin corrosion/irritation**

Remarks: No data available

**Serious eye damage/eye irritation**

Remarks: No data available

|   |                   |
|---|-------------------|
| <b>Respiratory or skin sensitization</b>                  | No data available |
| <b>Germ cell mutagenicity</b>                             | No data available |
| <b>Carcinogenicity</b>                                    | No data available |
| <b>Reproductive toxicity</b>                              | No data available |
| <b>Specific target organ toxicity - single exposure</b>   | No data available |
| <b>Specific target organ toxicity - repeated exposure</b> | No data available |
| <b>Aspiration hazard</b>                                  | No data available |

**Additional Information**  
 Gastrointestinal disturbance, hypersensitivity reactions, neutropenia, Elevated:, Increased liver enzymes., blood urea nitrogen, Nausea, Vomiting, Diarrhea, Rash, Headache, Dizziness, Because of the similarity in structure of the penicillins and cephalosporins, those who are allergic to one class of agents may manifest cross-allergenicity when a member of the other class is encountered.  
 Stomach - Irregularities - Based on Human Evidence

### Section 12: Ecological Information

|   |   |
|---|---|
| <b>Toxicity</b>                           | No data available   |
| <b>Persistence and degradability</b>      | No data available   |
| <b>Bio accumulative potential</b>         | No data available   |
| <b>Mobility in soil</b>                   | No data available   |
| <b>Results of PBT and vPvB assessment</b> | PBT/vPvB assessment not available as chemical safety assessment not required/not Conducted. |
| <b>Endocrine disrupting properties</b>    | No data available   |
| <b>Other adverse effects</b>              | No data available   |

### Section 13: Disposal Consideration

**Waste treatment methods**  
**Product**  
 Offer surplus and non- recyclable solutions to a licensed company. Contact a licensed professional waste disposal service to dispose of this material

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**Contaminated packaging**  
 Dispose of as unused product.

### Section 14: Transport Information

|                            |  |
|----------------------------|--|
| <b>TDG</b>                 | Not regulated as a dangerous good                                    |
| <b>IMDG</b>                | Not dangerous goods  |
| <b>IATA</b>                | Not dangerous goods  |
| <b>Further information</b> | Not classified as dangerous in the meaning of transport regulations. |

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### Section 15: Regulatory Information

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This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

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### Section 16: Other Information

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#### **DISCLAIMER**

For R&D use only. Not for drug, household or other uses.

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#### **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 with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. *ibresco* shall not be held liable for any damage resulting from handling or from contact with the above product.

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