Section 1. Chemical Product and Company Identification

Product No.       SR0224
Trade name       CEFSULODIN SUPPLEMENT
Manufacturer      Oxoid Limited
                  Wade Road
                  Basingstoke
                  Hants RG24 8PW
                  ENGLAND
                  Tel: +44 (0)1256 841144
                  Fax: +44 (0)1256 463388

Supplier         Oxoid Limited
                  Wade Road
                  Basingstoke
                  Hants RG24 8PW
                  ENGLAND
                  Tel: +44 (0)1256 841144
                  Fax: +44 (0)1256 463388

Section 2. Hazards Identification

Most Important Hazards  May cause sensitization by inhalation and skin contact.
Human health hazards - Eyes  May cause slight transient irritation.
Human health hazards - Skin  Prolonged or repeated contact may cause itching and soreness and possible sensitisation.
Human health hazards - Ingestion  A large dose may have the following effects:- nausea, gastrointestinal irritation, vomiting, headache.
Human health hazards - Inhalation  Inhalation may cause pulmonary sensitisation and may cause bronchial spasms in asthma.

Section 3. Composition, Information on Ingredients

Preparation - Hazardous ingredients (Europe)

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Concentration</th>
<th>Classification</th>
<th>Risk Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cefsulodin Sodium (CFS)</td>
<td>52152-93-9</td>
<td>60.00 % w/w</td>
<td>Xn - Harmful.</td>
<td>R42/43- May cause sensitization by inhalation and skin contact.</td>
</tr>
<tr>
<td></td>
<td>257-692-4</td>
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</tbody>
</table>

Section 4. First Aid Measures

First Aid - Eyes  Immediately flood the eye with plenty of water for at least 10 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.
First Aid - Skin  Wash skin thoroughly with soap and water. Obtain medical attention if blistering occurs or redness persists.
First Aid - Ingestion  Wash out mouth with water. Have victim drink 1-3 glasses of water to dilute stomach contents.
First Aid - Inhalation  Remove from exposure. Keep warm and at rest. Seek medical attention if you feel unwell.

Section 5. Fire Fighting Measures

Extinguishing Media - Suitable  Use water spray, foam, dry chemical or carbon dioxide.
Section 6. Accidental Release Measures

**Personal Precautions**
Wear appropriate protective clothing.

**Spill**
Transfer into suitable containers for recovery or disposal. Finally flush area with plenty of water.

Section 7. Handling and Storage

**Handling**
Avoid inhaling dust. Avoid contact with eyes, skin and clothing.

**Storage**
Storage temperature should be controlled to between 2 and 8 °C.

Section 8. Exposure Controls, Personal Protection

**Engineering measures**
Handle the material in a fume hood/cupboard or under local exhaust ventilation.

**Protective Measures - Respiratory**
Dust mask if conditions are dusty. Dusk mask to EN149 FFP2S.

**Protective Measures - Hands**
Disposable vinyl gloves.

**Protective Measures - Eyes**
Safety glasses or chemical goggles to EN166, 167 and 168.

Section 9. Physical and Chemical Properties

**Physical state**
Pellets.

**Colour**
White.

Section 10. Stability and Reactivity

**Stability**
Stable under recommended storage and handling conditions (see section 7).

Section 11. Toxicological Information

**Acute toxicity**
Low order of acute toxicity.
Oral LD50 (rat) > 2000 mg/kg.
Dermal LD50 (rabbit) > 2000 mg/kg.
Inhalation LC50 (rat) > 20 mg/litre/4h.

**Eye irritation**
The degree of irritation was insufficient to warrant labelling as an eye irritant.

**Sensitization - Skin**
The possibility of allergic sensitisation should be considered.

Section 12. Ecological Information

**Ecotoxicity**
No relevant studies identified.

Section 13. Disposal Considerations

**Disposal considerations**
Hazardous waste. Dispose of according to all federal, state and local applicable regulations.

**Container information**
Labels should not be removed from containers until they have been cleaned. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate.
Section 14. Transport Information

UN : UN number Not regulated.

Section 15. Regulatory Information

Label Requirements Harmful

Risk Phrases R42/43- May cause sensitization by inhalation and skin contact.
Safety Phrases S22- Do not breathe dust.
S36/37- Wear suitable protective clothing and gloves.
S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

EC Classification Xn - Harmful.

Section 16. Other Information

MSDS first issued 14/08/2003
MSDS data revised 19/12/2007
Revisions Highlighted Date of issue
Notes Classification and labelling have been performed according to EU directives 67/548/EEC, 88/379/EEC, including amendments and the intended use.