Section 1. Chemical Product and Company Identification

Product No. | SR0141
---|---
Trade name | LISTERIA Enrichment Selective 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
*** Revised *** Very toxic if swallowed. May cause sensitization by inhalation and skin contact. May cause harm to the unborn child. Possible risk of irreversible effects.

Human health hazards - Ingestion
Swallowing may have the following effects:- excitement, tremors, salivation, and melena. Mechanisms of toxicity are not well defined but probably include gastrointestinal irritation, central nervous system stimulation, renal injury and damage to the adrenal cortex.

Human health hazards - Inhalation
Inhalation may cause pulmonary sensitisation and may cause bronchial spasms in asthma. Exposure to dust may have the following effects:- irritation of nose, throat and respiratory tract.

Section 3. Composition, Information on Ingredients

<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>Cycloheximide</td>
<td>66-81-9</td>
<td>16.35 % w/w</td>
<td>T+ - Very toxic.</td>
<td>R28- Very toxic if swallowed.</td>
</tr>
<tr>
<td></td>
<td>200-636-0</td>
<td></td>
<td>Repr. Cat. 2</td>
<td>R61- May cause harm to the unborn child.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Muta. Cat. 3</td>
<td>R68- Possible risk of irreversible effects.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>N - Dangerous to the Environment.</td>
<td>R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</td>
</tr>
<tr>
<td>Nalidixic Acid (Sodium Salt)</td>
<td>3374-05-8</td>
<td>16.35 % w/w</td>
<td>Xn - Harmful.</td>
<td>R24/43- May cause sensitization by inhalation and skin contact.</td>
</tr>
<tr>
<td></td>
<td>222-159-7</td>
<td></td>
<td></td>
<td>R22- Harmful if swallowed.</td>
</tr>
<tr>
<td>Acriflavin Neutral</td>
<td>8048-52-0</td>
<td>1.95 % w/w</td>
<td>Xn - Harmful.</td>
<td>R37/38- Irritating to respiratory system and skin. R41- Risk of serious damage to eyes.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Xi - Irritant.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>N - Dangerous to the Environment.</td>
<td>R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</td>
</tr>
</tbody>
</table>
Section 4. First Aid Measures

First Aid - Skin
- Wash skin thoroughly with soap and water. Obtain medical attention urgently.

First Aid - Ingestion
- Wash out mouth with water. Have victim drink 1-3 glasses of water to dilute stomach contents. Obtain medical attention urgently.

First Aid - Inhalation
- Remove from exposure. Keep warm and at rest. Obtain medical attention urgently.

Notes to physician
- Remove toxicant from gut by gastric lavage. Instill activated carbon, then a cathartic dose of Sodium Sulphate. Intravenous fluids may accelerate excretion. Hydrocortisone appears to be antidotal particularly in combination with the adenergic agent Methoxyphenamine (Orthoxine). Atropine may relieve the cholinergic symptoms.

Section 5. Fire Fighting Measures

Extinguishing Media - Suitable
- Use water spray, foam, dry chemical or carbon dioxide.

Special fire-fighting procedures
- This product may give rise to hazardous fumes in a fire.

Section 6. Accidental Release Measures

Personal Precautions
- Wear appropriate protective clothing.

Environmental precautions and cleanup methods
- Try to prevent the material from entering drains or water courses.

Spill
- Sweep or preferably vacuum up and collect in suitable containers for recovery or disposal.

Section 7. Handling and Storage

Handling
- Avoid contact with eyes, skin and clothing. Avoid inhaling dust. Use local exhaust ventilation.

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

Section 8. Exposure Controls, Personal Protection

Occupational Exposure Limits (Preparation) - Europe
- Cycloheximide: None assigned.

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

Protective Measures - Respiratory
- 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
- Orange - Yellow.

Section 10. Stability and Reactivity

Stability
- Stable under normal conditions. Decomposes at temperatures above 100 °C.

Materials to avoid
- Alkalies.

Hazardous decomposition products
- Heating may produce: oxides of nitrogen. oxides of carbon.
SAFETY DATA SHEET
LISTERIA Enrichment Selective Supplement

Date of issue - 25/08/2009.  SR0141

Section 11. Toxicological Information

Acute toxicity
Very toxic if swallowed.

Sub-Chronic toxicity
The following tissues were affected: - kidney - peripheral neuropathy

Chronic toxicity / Carcinogenic effects
*** Revised *** No evidence.

Mutagenic Effects
EU Category 3: Cause concern owing to possible mutagenic effects.

Developmental toxicity
EU Category 2: Regarded as teratogenic to humans. No data available.

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 2811
UN : Proper shipping name Refer to the UN Transport of Dangerous Goods (latest edition) for the specific UN Proper Shipping Name.
UN : Class 6.1
UN : Packing group II

Section 15. Regulatory Information

Label Requirements
Very toxic

Risk Phrases
*** Revised *** R28- Very toxic if swallowed.
R42/43- May cause sensitization by inhalation and skin contact.
R61- May cause harm to the unborn child.
R66- Possible risk of irreversible effects.

Safety Phrases
S53- Avoid exposure - obtain special instructions before use.
S28- After contact with skin, wash immediately with plenty of soap and water.
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
Mutagen Category 3

Section 16. Other Information

MSDS first issued 29/09/1995
MSDS data revised 25/08/2009
Revisions Highlighted Date of issue
Notes Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use.