



# SAFETY DATA SHEET

## CAMPYLOBACTER Selective Supplement (Karmali)

Date of issue - 16/05/2007.

SR0167

### Section 1. Chemical Product and Company Identification

**Product No.** SR0167  
**Trade name** CAMPYLOBACTER Selective Supplement (Karmali)  
**Manufacturer** Oxoid Ltd  
Wade Road  
Basingstoke  
Hants.  
RG24 8PW  
Tel. 44 (0) 1256 841144  
Fax. 44 (0) 1256 463388  
**Emergency telephone number** CareChem24: + 44 (0)1865 407333

### Section 2. Composition, Information on Ingredients

#### Preparation - Hazardous ingredients ( Europe )

Component	CAS No. / EINECS Number	Concentration	Classification	Risk Phrases
Cycloheximide	66-81-9 200-638-0	30.10 % w/w	T+ - Very toxic. Repr. Cat. 2 Muta. Cat. 3 N - Dangerous to the Environment.	R28- Very toxic if swallowed. R61- May cause harm to the unborn child. R68- Possible risk of irreversible effects. R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R42/43- May cause sensitization by inhalation and skin contact. R43- May cause sensitization by skin contact.
Cefoperazone (Cefobid)	62893-20-3 263-751-5	9.65 % w/w	Xn - Harmful.	
Vancomycin	1404-93-9	6.00 % w/w	Xi - Irritant.	

### Section 3. Hazards Identification

#### Most Important Hazards

Very toxic if swallowed. May cause sensitization by inhalation and skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. May cause harm to the unborn child. Possible risk of irreversible effects.

#### Human health hazards - Eyes

Dust will cause conjunctival irritation.

#### Human health hazards - Skin

Material may cause irritation. Repeated and/or prolonged contact may lead to dermatitis. Contact may have the following effects:- nausea, vomiting, diarrhoea.

#### 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.



# SAFETY DATA SHEET

## CAMPYLOBACTER Selective Supplement (Karmali)

Date of issue - 16/05/2007.

SR0167

### Section 4. First Aid Measures

<b>First Aid - Eyes</b>	Wash out eye with plenty of water. Obtain medical attention if soreness or redness persists.
<b>First Aid - Skin</b>	Wash skin thoroughly with soap and water. Obtain medical attention urgently.
<b>First Aid - Ingestion</b>	Wash out mouth with water. Have victim drink 1-3 glasses of water to dilute stomach contents. Obtain medical attention urgently.
<b>First Aid - Inhalation</b>	Remove from exposure. Keep warm and at rest. Obtain medical attention urgently.
<b>Notes to physician</b>	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

<b>Extinguishing Media - Suitable</b>	Use water spray, foam, dry chemical or carbon dioxide.
<b>Special fire-fighting procedures</b>	This product may give rise to hazardous fumes in a fire.

### Section 6. Accidental Release Measures

<b>Personal Precautions</b>	Wear appropriate protective clothing.
<b>Environmental precautions and cleanup methods</b>	Try to prevent the material from entering drains or water courses.
<b>Spill</b>	Sweep or preferably vacuum up and collect in suitable containers for recovery or disposal.

### Section 7. Handling and Storage

<b>Handling</b>	Avoid contact with eyes, skin and clothing. Avoid inhaling dust. Use local exhaust ventilation.
<b>Storage</b>	Storage temperature should be controlled to between 2 and 8 °C.

### Section 8. Exposure Controls, Personal Protection

<b>Engineering measures</b>	Handle the material in a fume hood/cupboard or under local exhaust ventilation.
<b>Protective Measures - Respiratory</b>	Dusk mask to EN149 FFP2S.
<b>Protective Measures - Hands</b>	Disposable vinyl gloves.
<b>Protective Measures - Eyes</b>	Safety glasses or chemical goggles to EN166, 167 and 168.

### Section 9. Physical and Chemical Properties

<b>Physical state</b>	Pellets.
<b>Colour</b>	White.

### Section 10. Stability and Reactivity

<b>Stability</b>	Stable under normal conditions. Decomposes at temperatures above 100 °C.
<b>Materials to avoid</b>	Alkalis.
<b>Hazardous decomposition products</b>	Heating may produce: oxides of nitrogen. oxides of carbon.



# SAFETY DATA SHEET

## CAMPYLOBACTER Selective Supplement (Karmali)

Date of issue - 16/05/2007.

SR0167

### Section 11. Toxicological Information

<b>Acute toxicity</b>	Very toxic if swallowed.
<b>Eye irritation</b>	The degree of irritation was insufficient to warrant labelling as an eye irritant.
<b>Sensitization - Skin</b>	The possibility of allergic sensitisation should be considered.
<b>Sub-Chronic toxicity</b>	The following tissues were affected: - kidney - peripheral neuropathy
<b>Mutagenic Effects</b>	The product is classified by EEC as a category 3 mutagen:- substances which cause concern for man owing to possible mutagenic effects but where the available information does not satisfactorily demonstrate heritable genetic damage.
<b>Developmental toxicity</b>	EU Category 2: Regarded as teratogenic to humans. No data available

### Section 12. Ecological Information

<b>Ecotoxicity</b>	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
--------------------	---

### Section 13. Disposal Considerations

<b>Disposal considerations</b>	Hazardous waste. Dispose of according to all federal, state and local applicable regulations.
<b>Container information</b>	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

<b>UN :</b>	<b>UN number</b>	2811
<b>UN :</b>	<b>Proper shipping name</b>	Toxic solid, organic, n.o.s. (Cycloheximide)
<b>UN :</b>	<b>Class</b>	6.1
<b>UN :</b>	<b>Packing group</b>	II

### Section 15. Regulatory Information

<b>Label Requirements</b>	Very toxic, Dangerous for the environment
---------------------------	---



<b>Risk Phrases</b>	R28- Very toxic if swallowed. R42/43- May cause sensitization by inhalation and skin contact. (R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.) R61- May cause harm to the unborn child. R68- Possible risk of irreversible effects.
<b>Safety Phrases</b>	S53- Avoid exposure - obtain special instructions before use. S22- Do not breathe dust. 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). (S61- Avoid release to the environment. Refer to special instructions/Safety data sheets.)
<b>EC Classification</b>	T+ - Very toxic. Xn - Harmful. Toxic for reproduction, Category 2. Mutagen, Category 3. N - Dangerous to the Environment.



**SAFETY DATA SHEET**  
**CAMPYLOBACTER Selective Supplement (Karmali)**

Date of issue - 16/05/2007.

SR0167

**Section 16. Other Information**

MSDS first issued	29/09/1995
MSDS data revised	16/05/2007
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.