



Safety Data Sheet
X193 Polymyxin B

Issue: 03/Apr/2009

1. Product and Company Identification

Product Code: X193
Product Name: Polymyxin B

Manufacturer: Lab M Limited
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2. Composition and Information on Ingredients

Hazardous ingredients:

Component	CAS number EINECS number	Concentration	Classification	Risk phrases
Polymyxin B	1405-20-5 215-774-7	14.3%	Xn, Harmful	R22

3. Hazard Identification

Most important hazard: Not classified as hazardous.

Health hazard

Inhalation: Irritating to the respiratory system.
Skin: May cause irritation.
Eyes: May cause irritation.
Ingestion: Harmful if swallowed.

4. First Aid Measures

After inhalation: Not applicable.
After skin contact: Wash off with copious amounts of water; if irritation persists seek medical advice.
After eye contact: Flush with copious amounts of water; if irritation persists seek medical advice.
After ingestion: Rinse mouth with plenty of cold water; seek medical advice.

5. Fire Fighting Measures

Extinguishing media suitable: Water spray, carbon dioxide, dry chemical powder or foam.



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6. Accidental Release Measures

Personal precautions: Wear disposable gloves, eye protection, dust mask and protective clothing.
Spill: Sweep or vacuum material and place in a designated waste container. Ventilate and use a water rinse to clean the spill site after material pickup is complete.

7. Handling and Storage

Handling: This product is for laboratory use only and should only be used by trained laboratory personnel. Avoid contact with eyes, skin and clothing. Prevent inhalation of dust.
Storage: Store at 2-8°C. Keep container tightly closed. Protect from direct sunlight and moisture.

8. Exposure Controls and Personal Protection

Engineering controls: Engineering methods to prevent control or exposure to dust are preferred. Methods include process or personnel enclosure, mechanical ventilation, and control of process conditions.
Protective measures
Hands: Protective disposable gloves.
Eyes: Chemical safety glasses or goggles.
Body: Laboratory coat.
Inhalation: Dust mask.

9. Physical and Chemical Properties

Physical form: Lyophilised tablet.
Colour: White to off-white.
pH: N/A

10. Stability and Reactivity

Stability: Stable under recommended storage and handling conditions (refer to part 7 of this MSDS).
Reactivity: Avoid strong oxidising agents.



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11. Toxicological Information

Acute toxicity:	LD ₅₀ Mouse – oral 790mg/Kg, intraperitoneal 20.5mg/Kg, subcutaneous 59.5mg/Kg, intravenous 5.4mg/Kg
Eye irritation:	May cause eye irritation.
Skin irritation:	May cause skin irritation; may be harmful if absorbed through skin.
Inhalation:	May be irritating to mucous membranes and upper respiratory reaction.
Ingestion:	Harmful if swallowed.
Signs & Symptoms of Exposure:	Like many antibiotics repeated or prolonged exposure may manifest allergenicity. Exposure may cause nausea, vomiting, diarrhoea, dermatitis, photosensitive reactions to skin and eye, drowsiness, and confusion. The chemical, physical and toxicological properties of this product have not been fully investigated.

12. Ecological Information

Ecotoxic effects:	Quantitative data on the toxicity of this product is not available.
Further ecological data:	No ecological problems are to be expected when the product is handled and used with due care and attention.

13. Disposal Considerations

Product:	Must be disposed of in full compliance with all federal, state and local environmental regulations.
Packaging:	Must be disposed of in full compliance with all federal, state and local environmental regulations.

14. Transport Regulations

UN number:	Not regulated.
ADR/RID classification:	Not regulated for road transport.
IATA classification:	Not regulated for air transport.
IMDG classification:	Not regulated for sea transport.

15. Regulatory Information

Hazard symbol:	Not applicable.
Risk phrases:	Not classified in accordance with EU regulations.
Safety phrases:	S22 – do not breathe dust. S24 – avoid contact with skin.



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16. Further Information

Reason for Issue: New MSDS.

The information contained in this MSDS is based on the present state of our knowledge. It characterises this product with regards to the appropriate safety precaution. It does not represent a guarantee of the properties of this product. Lab M Limited shall not be held liable for any damage resulting from the handling or from contact with this product.