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## **MATERIAL SAFETY DATA SHEET**

### **POPSO BUFFER**

(For Biochemistry)

Piperazine-1 ,4 Bis (2-hydroxypropanae sulphonic acid)}

MSDS CAS: 68189-43-5

## **Section 1: Chemical Product and Company Identification**

### Section 1: Chemical Product

**Product Name:** POPSO BUFFER

**CAS#:** 68189-43-5

**Synonym:** Piperazine-1,4-bis(2-hydroxypropanesulfonic acid), Piperazine-N,N'  
-bis (2-hydroxypropanesulfonic acid)

**Chemical Name:** Not available.

**Chemical Formula:** C<sub>10</sub>H<sub>22</sub>N<sub>2</sub>O<sub>8</sub>S<sub>2</sub>.2H<sub>2</sub>O

**Brand:** OXFORD

### Details Of The Supplier Of The Safety Data Sheet :

**Company identification:** OXFORD LAB FINE CHEM LLP  
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,  
Navghar, Vasai (East). Palghar - 401 210.  
Mumbai, Maharashtra, INDIA.  
Tel: 91-250-2390989  
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## **Section 2: Composition and Information on Ingredients**

### Composition:

Name	CAS #	% by Weight
POPSO Buffer	68189-43-5	100

## Section 3: Hazards Identification

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC.

## Section 4: First Aid Measures

If inhaled: If breathed in, move person into fresh air. If not breathing give artificial respiration.

In case of skin contact: Wash off with soap and plenty of water.

In case of eye contact: Flush eyes with water as a precaution.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.

## Section 5: Fire and Explosion Data

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters:

Wear self contained breathing apparatus for fire fighting if necessary.

## Section 6: Accidental Release Measures

Personal precautions: Avoid dust formation.

Environmental precautions: Do not let product enter drains.

Methods for cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

## Section 7: Handling and Storage

Handling: Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage: Keep container tightly closed in a dry and well-ventilated place. Store in cool place.

## Section 8: Exposure Controls/Personal Protection

### Personal protective equipment

**Respiratory protection:** Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection:** For prolonged or repeated contact use protective gloves.

**Eye protection:** Safety glasses

**Hygiene measures:** General industrial hygiene practice.

## Section 9: Physical and Chemical Properties

Appearance Form	: Solid
Molecular Weight	: 362.42g/mole
pH	: No data available
Melting point	: 300 °C
Colour	: White powder.
Boiling point	: No data available
Flash point	: Not applicable
Ignition temperature	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Water solubility	: No data available

## Section 10: Stability and Reactivity Data

**Storage stability:** Stable under recommended storage conditions.

### Hazardous decomposition products:

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Sulphur oxides.

## Section 11: Toxicological Information

**Acute toxicity:** No data available

**Irritation and corrosion:** No data available

**Sensitisation:** No data available

### **Chronic exposure**

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

### **Potential Health Effects**

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** May cause eye irritation.

**Ingestion** May be harmful if swallowed.

## Section 12: Ecological Information

**Elimination information (persistence and degradability):** No data available.

**Ecotoxicity effects:** No data available.

**Further information on ecology:** No data available

## Section 13: Disposal Considerations

### **Product:**

Observe all federal, state, and local environmental regulations.

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

## Section 14: Transport Information

### Land transport (ADR-RID)

General information: Not regulated.

### Sea transport (IMDG) [English only]

General information: Not regulated.

### Air transport (ICAO-IATA) [English only]

General information: Not regulated.

## Section 15: Other Regulatory Information

### Labelling according to EC Directives

Further information:

The product does not need to be labelled in accordance with EC directives or respective national laws.

## Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

### *Disclaimer:*

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The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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