

# OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

**Regd Office:** Unit no 12, 1st Floor,  
Neminath Industrial Estate No.6,  
Navghar, Vasai (East), Palghar - 410210.  
Maharashtra, INDIA.

**Tel:** +91 250 2390032 / 2390989 / 2390990  
**Email:** sales@oxfordlabchem.com /  
info@oxfordlabchem.com  
**Web:** www.oxfordlabchem.com

**Oxford**  
Range of  
Laboratory Chemicals

## MATERIAL SAFETY DATA SHEET

### CHAPSO 99%

(For Biochemistry)

(3-(3-Cholamidopropyl)-Dimethylammonio)-2-Hydroxy-Propane-Sulfonate

MSDS CAS: 82473-24-3

## Section 1: Chemical Product and Company Identification

### Section 1: Chemical Product

**Product Name:** CHAPSO

**CAS#:** 82473-24-3

**Synonym:** 3-([3-Cholamidopropyl]dimethylammonio)-2-hydroxy-1-propanesulfonate

**Chemical Name:** Not applicable.

**Chemical Formula:** C<sub>32</sub>H<sub>58</sub>N<sub>2</sub> O<sub>8</sub>S

**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  
Tel/Fax: 91-250-2390032

## Section 2: Composition and Information on Ingredients

### Composition:

Name	CAS #	% by Weight	Hazardous
CHAPSO	82473-24-3	98-100%	Yes

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## Section 3: Hazards Identification

### Risk advice to man and the environment

Irritating to eyes, respiratory system and skin.

## Section 4: First Aid Measures

### General advice:

Consult a physician. Show this safety data sheet to the doctor in attendance.

### If inhaled:

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

### In case of skin contact:

Wash off with soap and plenty of water. Consult a physician.

### In case of eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

### If swallowed:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## 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

As with most organic solids, fire is possible at elevated temperatures.

## Section 6: Accidental Release Measures

### Personal precautions:

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

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## Section 6: Accidental Release Measures (Continued)

**Environmental precautions:** Do not let product enter drains.

### **Methods for cleaning up:**

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

## Section 7: Handling and Storage

### **Handling:**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

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

### **Storage:**

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

## Section 8: Exposure Controls/Personal Protection

### **Personal protective equipment**

#### **Respiratory protection:**

Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection:**

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

#### **Eye protection:** Safety glasses.

#### **Skin and body protection:**

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

#### **Hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

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## Section 9: Physical and Chemical Properties

### Appearance:

Form powder  
Colour white.

### Safety data:

pH	: No Data Available.
Melting point	: 184 - 186 °C
Boiling point	: No Data Available.
Flash point	: No Data Available.
Molecular Weight	: 630.88 g/mole.
Ignition temperature	: No Data Available.
Lower explosion limit	: No Data Available.
Upper explosion limit	: No Data Available.
Water solubility	: ca.10 g/l at 20 °C

## Section 10: Stability and Reactivity Data

Storage stability: Stable under recommended storage conditions.

Materials to avoid: Strong oxidizing agents.

### 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.

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## Section 11: Toxicological Information (Continued)

### Signs and Symptoms of Exposure:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### Potential Health Effects:

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

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

**Eyes** Causes 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. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

## Section 14: Transport Information

Land transport (ADR-RID)

**General information** : Not regulated.

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## Section 14: Transport Information (Continued)

### 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

**Hazard symbols**

**Xi Irritant**

**R-phrase(s)**

**R36/37/38 Irritating to eyes, respiratory system and skin.**

**S-phrase(s)**

**S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.**

**S36 Wear suitable protective clothing.**

## Section 16 - Additional Information

**References:** Not available.

**Other Special Considerations:** Not available.

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