

# 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



## MATERIAL SAFETY DATA SHEET

### AESCULIN Extra Pure (Esculin)

MSDS CAS: 66778-17-4

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

##### Section 1: Chemical Product

**Product Name:** AESCULIN

**CAS#:** 66778-17-4

**Synonym:** Esculin

**Chemical Name:**

**Chemical Formula:** C<sub>15</sub>H<sub>16</sub>O<sub>9</sub>.XH<sub>2</sub>O

**Brand:** OXFORD

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

##### Company identification:

**OXFORD LAB CHEM**

Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,  
Navghar, Vasai (East). Thane - 401 210.

Mumbai, Maharashtra, INDIA.

Tel: 91-250-6050028

Tel/Fax: 91-250-2390032

#### Section 2: Composition and Information on Ingredients

##### Composition:

Name	CAS #	Percent	Hazardous
Aesculin	66778-17-4	90-100%	NO

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## Section 3: Hazards Identification

**Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.  
This substance is not classified as dangerous according to Directive 67/548/EEC.**

## 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.

**Most important symptoms and effects, both acute and delayed:** Weakness, Vomiting, Diarrhoea  
**Indication of any immediate medical attention and special treatment needed**  
no data available

## Section 5: Fire and Explosion Data

**Extinguishing media**

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

**Special hazards arising from the substance or mixture:** no data available

**Advice for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

## Section 6: Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:**

Avoid dust formation. Avoid breathing vapors, mist or gas.

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

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

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**Oxford**  
Range of  
Laboratory Chemicals

## Section 7: Handling and Storage

### Precautions for safe handling:

Provide appropriate exhaust ventilation at places where dust is formed.

### Conditions for safe storage, including any incompatibilities

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

## Section 8: Exposure Controls/Personal Protection

### Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

**Eye/face protection:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Body Protection:** Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**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).

## Section 9: Physical and Chemical Properties

Physical state and appearance: Powder

Odor : Not available.

Taste : Not available.

Molecular Weight : 430.36 g/mole

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## Section 9: Physical and Chemical Properties (Continued)

<b>Color</b>	: off-white
<b>pH (1% soln/water)</b>	: Not available.
<b>Boiling Point</b>	: Not available.
<b>Melting Point</b>	: 195 - 198 °C
<b>Critical Temperature</b>	: Not available.
<b>Specific Gravity</b>	: Not available.
<b>Vapor Pressure</b>	: Not applicable.
<b>Vapor Density</b>	: Not available.
<b>Volatility</b>	: Not available.
<b>Odor Threshold</b>	: Not available.
<b>Partition coefficient:n-octanol/waterlog: Pow:</b>	Not available
<b>Ionicity (in Water)</b>	: Not available.
<b>Dispersion Properties</b>	: Not available.
<b>Solubility</b>	: Not available.

## Section 10: Stability and Reactivity Data

**Storage stability:** Not available.  
**Conditions to avoid:** Not available.  
**Materials to avoid:** Not available.  
**Hazardous decomposition products:** Not available.

## Section 11: Toxicological Information

**Acute toxicity:** LD50 Intraperitoneal - mouse - 1.900 mg/kg  
**Irritation and corrosion:** no data available  
**Serious eye damage/eye irritation:** no data available  
**Respiratory or skin sensitization:** no data available  
**Germ cell mutagenicity:** no data available

### Carcinogenicity

**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.

## Section 11: Toxicological Information (Continued)

### 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**                    Causes serious eye irritation.
- **Ingestion**            May be fatal if swallowed.

### Signs and Symptoms of Exposure

Weakness, Vomiting, Diarrhoea

## Section 12: Ecological Information

**Toxicity:** no data available

**Persistence and degradability:** no data available

**Bioaccumulative potential:** no data available

**Mobility in soil:** no data available

**Results of PBT and vPvB assessment:** no data available

**Other adverse effects:** no data available

## Section 13: Disposal Considerations

**Waste treatment methods**

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

## Section 14: Transport Information

Land transport (ADR-RID)

**General Information**    : Not Regulated

Sea transport (IMDG) [English only]

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## Section 14: Transport Information (Continued)

**General Information : Not Regulated**

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

**General Information : Not Regulated**

## Section 15: Other Regulatory Information

**This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.**

## Section 16 - Additional Information

**References: Not available.**

**Other Special Considerations: Not available.**

### *Disclaimer:*

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