

## **MATERIAL SAFETY DATA SHEET**

### **D-ALANINE 99% (For Biochemistry) MSDS CAS: 338-69-2**

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

##### **Section 1: Chemical Product**

**Product Name: D-Alanine**

**CAS#: 338-69-2**

**Synonym: D-2 Aminopropionic acid**

**Chemical Name:**

**Chemical Formula: C<sub>3</sub>H<sub>7</sub>NO<sub>2</sub>**

**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
D-Alanine	338-69-2	90 - 100%

##### **Toxicological Data on Ingredients:**

## Section 3: Hazards Identification

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008  
Not a hazardous substance or mixture 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

### Extinguishing media

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

Special hazards arising from the substance or mixture: Carbon oxides, nitrogen oxides (NO<sub>x</sub>)

Precautions for fire-fighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further information: no data available

## 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.

## Section 7: Handling and Storage

**Precautions for safe handling:** Provide appropriate exhaust ventilation at places where dust is formed.  
Normal measures for preventive fire protection.

## Section 7: Handling and Storage (Continued)

**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

Control parameters

Components with workplace control parameters

**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: Solid.

Odor : Not available

## Section 9: Physical and Chemical Properties

<b>Taste</b>	: Not available
<b>Molecular Weight</b>	: 89.09 g/mole
<b>Color</b>	: Not available
<b>pH (1% soln/water)</b>	: Not available
<b>Boiling Point</b>	: Not available.
<b>Melting Point</b>	: 291°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>Water/Oil Dist. Coeff.</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

**Reactivity:** no data available

**Chemical stability:** no data available

**Possibility of hazardous reactions:** no data available

**Conditions to avoid:** no data available

**Incompatible materials:** Strong oxidizing agents

**Hazardous decomposition products:** Other decomposition products - no data available

## Section 11: Toxicological Information

**Acute toxicity:** no data available

**Skin corrosion/irritation:** no data available

**Serious eye damage/eye irritation:** no data available

**Respiratory or skin sensitization:** no data available

**Germ cell mutagenicity:** no data available

## Section 11: Toxicological Information (Continued)

### 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.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

### Potential health effects

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

**Ingestion:** May be harmful if swallowed.

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

**Eyes:** May cause eye irritation.

## 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 Disposal:

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

## 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

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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