

# 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

### CASEIN SOLUBLE IN ALKALI

(Nitrogen in dried material : 13.5-15.5%)

MSDS CAS: 9000-71-9

## Section 1: Chemical Product and Company Identification

### Section 1: Chemical Product

**Product Name:** CASEIN

**CAS#:** 9000-71-9

**Synonym:** Milk protein, Casein soluble, fat free, soluble in alkali

**Chemical Name:**

**Chemical Formula:** Not available.

**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
Casein	9000-71-9	90 - 100%	No

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**Oxford**  
Range of  
Laboratory Chemicals

## Section 3: Hazards Identification

### Emergency Overview:

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

### SAF-T-DATA Ratings (Provided here for your convenience) :

**Health Rating: 0 - None**

**Flammability Rating: 1 - Slight**

**Reactivity Rating: 0 - None**

**Contact Rating: 0 - None**

**Lab Protective Equip: GOGGLES; LAB COAT**

**Storage Color Code: Green (General Storage).**

### Potential Health Effects:

#### **Inhalation:**

No adverse health effects expected from inhalation.

#### **Ingestion:**

Not expected to be a health hazard via ingestion.

#### **Skin Contact:**

Not expected to be a health hazard from skin exposure.

#### **Eye Contact:**

Not expected to be a health hazard.

#### **Chronic Exposure:**

No adverse health effects expected.

## Section 4: First Aid Measures

### Inhalation:

Not expected to require first aid measures. Remove to fresh air. Get medical attention for any breathing difficulty.

### Ingestion:

Not expected to require first aid measures. If large amounts were swallowed, give water to drink and get medical advice.

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## Section 4: First Aid Measures (Continued)

### Skin Contact:

Not expected to require first aid measures. Wash exposed area with soap and water. Get medical advice if irritation develops.

### Eye Contact:

Not expected to require first aid measures. Wash thoroughly with running water. Get medical advice if irritation develops.

## Section 5: Fire and Explosion Data

### Fire:

As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

### Explosion:

Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Minimum ignition temperature, dust cloud: 460C.

### Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire.

### Special Information:

Use protective clothing and breathing equipment appropriate for the surrounding fire.

## Section 6: Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8.

**Spills:** Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

## Section 7: Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

## Section 8: Exposure Controls/Personal Protection

### Airborne Exposure Limits:

- OSHA Permissible Exposure Limit (PEL):

15 mg/m<sup>3</sup> total dust, 5 mg/m<sup>3</sup> respirable fraction for nuisance dusts.

- ACGIH Threshold Limit Value (TLV)

for Particulates (insoluble or poorly soluble) Not Otherwise Specified (PNOS):

3 mg/m<sup>3</sup> respirable particles and 10 mg/m<sup>3</sup> inhalable particles.

### Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

### Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded and engineering controls are not feasible, a half facepiece particulate respirator (NIOSH type N95 or better filters) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest.. A full-face piece particulate respirator (NIOSH type N100 filters) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator.

**WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

### Skin Protection:

Wear protective gloves and clean body-covering clothing.

### Eye Protection:

Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

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## Section 9: Physical and Chemical Properties

**Appearance** : White to off-white powder or granules.  
**Odor** : Faint characteristic odor.  
**Solubility** : Negligible (< 0.1%)  
**Specific Gravity** : 1.25  
**pH** : No information found.  
**% Volatiles by volume @ 21C (70F):** 10  
**Boiling Point** : No information found.  
**Melting Point** : No information found.  
**Vapor Density (Air=1):** Not applicable.  
**Vapor Pressure (mm Hg):** Not applicable.  
**Evaporation Rate (BuAc=1):** No information found.

## Section 10: Stability and Reactivity Data

### Stability:

Stable under ordinary conditions of use and storage.

### Hazardous Decomposition Products:

Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous Polymerization: Will not occur.

Incompatibilities: No information found.

Conditions to Avoid: Moisture.

## Section 11: Toxicological Information

No LD50/LC50 information found relating to normal routes of occupational exposure.

-----\Cancer Lists\-----

---NTP Carcinogen---

<u>Ingredient</u>	<u>Known</u>	<u>Anticipated</u>	<u>IARC Category</u>
----- Casein (9000-71-9)	----- No	----- No	----- None

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## Section 12: Ecological Information

**Environmental Fate:** No information found.

**Environmental Toxicity:** No information found.

## Section 13: Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

## 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.

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## Section 15: Other Regulatory Information

### -----\Chemical Inventory Status - Part 1\-----

Ingredient	TSCA	EC	Japan	Australia
Casein (9000-71-9)	Yes	Yes	No	Yes

### -----\Chemical Inventory Status - Part 2\-----

Ingredient	Korea	--Canada-- DSL	NDSL	Phil.
Casein (9000-71-9)	Yes	Yes	No	Yes

### -----\Federal, State & International Regulations - Part 1\-----

Ingredient	-----SARA 302----- RQ	-----SARA 313----- TPQ	List	Chemical Catg.
Casein (9000-71-9)	No	No	No	No

### -----\Federal, State & International Regulations - Part 2\-----

Ingredient	-----RCRA- -TSCA----- CERCLA	261.33	8(d)
Casein (9000-71-9)	No	No	No

**Chemical Weapons Convention:** No **TSCA 12(b):** No **CDTA:** No  
**SARA 311/312:** Acute: No **Chronic:** No **Fire:** No **Pressure:** No  
**Reactivity:** No (Pure / Solid)

## Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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