

# OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

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## MATERIAL SAFETY DATA SHEET

### BENEDICT'S REAGENT (Qualitative) MSDS CAS : 63126-89-6

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

##### Section 1: Chemical Product

Product Name : BENEDICT'S REAGENT (Qualitative)

CAS#: 63126-89-6

C.I. No.: Not available.

Synonym : Not available.

Chemical Name: Not available.

Chemical Formula: -

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,  
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Tel: 91-250-2390989  
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#### Section 2: Composition and Information on Ingredients

##### Composition:

Name	CAS #	% by Weight
BENEDICT'S REAGENT (Qualitative)	63126-89-6	100%

## Section 3: Hazards Identification

### Classification of the substance or mixture

Classification according to Regulation (EC) No 1999/45

**Classification** : R52-53

**Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)**

**Health hazards** : Hazardous to the aquatic environment - Chronic hazard - Category 3 (CLP : Aquatic Chronic 3) H412

**Other hazards** : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

## Section 4: First Aid Measures

### Description of first aid measures

#### **Inhalation**

Assure fresh air breathing. Allow the victim to rest.

#### **Skin contact**

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

#### **Eye contact**

Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

#### **Ingestion :**

Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.

### Most important symptoms and effects, both acute and delayed

**Symptoms relating to use** : Not expected to present a significant hazard under anticipated conditions of normal use.

### Indication of any immediate medical attention and special treatment needed

**General information:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

## Section 5: Fire and Explosion Data

### Extinguishing media

#### Extinguishing media

##### Suitable extinguishing media

: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

##### Unsuitable extinguishing media

: Do not use a heavy water stream.

##### Surrounding fires

: Use water spray or fog for cooling exposed containers.

#### Special hazards arising from the substance or mixture

##### Hazardous combustion products

: Under fire conditions, hazardous fumes will be present.

#### Advice for fire-fighters

##### Protection against fire

: Do not enter fire area without proper protective equipment,  
Including respiratory protection.

##### Special procedures

: Exercise caution when fighting any chemical fire. Avoid (reject)  
fire-fighting water to enter environment.

## Section 6: Accidental Release Measures

#### Personal precautions, protective equipment and emergency procedures

##### For emergency responders

: Equip cleanup crew with proper protection.  
Ventilate area.

##### For non-emergency personnel

: Evacuate unnecessary personnel.

#### Environmental precautions

##### Environmental precautions

: Prevent entry to sewers and public waters. Notify authorities if  
product enters sewers or public waters.  
Avoid release to the environment.

#### Methods and materials for containment and cleaning up

**Clean up methods :** Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.  
Store away from other materials. Collect spillage.

## Section 7: Handling and Storage

### Precautions for safe handling Handling

: Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

### Technical protective measures

: Provide good ventilation in process area to prevent formation of vapour.

### Conditions for safe storage, including any incompatibilities

#### Storage

: Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

#### Storage - away from

: Strong bases. Strong acids. Sources of ignition. Direct sunlight.

### Specific end uses

#### Specific end use(s)

: None.

## Section 8: Exposure Controls/Personal Protection

### Personal protection

- Respiratory protection
- Hand protection
- Eye protection
- Others

: Avoid all unnecessary exposure.

: Wear approved mask.

: Wear protective gloves.

: Chemical goggles or safety glasses.

: When using, do not eat, drink or smoke.

### Control parameters

#### Occupational Exposure Limits

: No data available.

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

#### Physical state at 20 °C

: Liquid.

#### Color

: Colourless

#### Odor

: Characteristic.

#### Odor threshold

: No data available.

#### pH value

: No data available.

#### Melting point [°C]

: No data available.

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

<b>Decomposition point [°C]</b>	<b>: N/A</b>
<b>Critical temperature [°C]</b>	<b>: N/A</b>
<b>Auto-ignition temperature [°C]</b>	<b>: N/A</b>
<b>Flammability (solid, gas)</b>	<b>: N/A</b>
<b>Flash point [°C]</b>	<b>: N/A</b>
<b>Boiling point [°C]</b>	<b>: 110-1200C</b>
<b>Initial boiling point [°C]</b>	<b>: N/A</b>
<b>Final boiling point [°C]</b>	<b>: N/A</b>
<b>Evaporation rate</b>	<b>: &gt;1</b>
<b>Vapour pressure [20°C]</b>	<b>: N/A</b>
<b>Vapour pressure mm/Hg</b>	<b>: 14 mm Hg at 200C</b>
<b>Vapour density</b>	<b>: 0,7</b>
<b>Density [g/cm3]</b>	<b>: 1,145</b>
<b>Relative density, gas (air=1)</b>	<b>: N/A</b>
<b>Relative density, liquid (water=1)</b>	<b>: N/A</b>
<b>Solubility in water [% weight]</b>	<b>: Soluble in water</b>
<b>Solubility in water</b>	<b>: N/A</b>
<b>Log Pow octanol / water at 20°C</b>	<b>: No data available.</b>
<b>Solubility</b>	<b>: N/A</b>
<b>Viscosity at 40°C [mm2/s]</b>	<b>: N/A</b>
<b>Molecular Weight</b>	<b>: No data available.</b>
<b><u>Other information</u></b>	
<b>Explosive properties</b>	<b>: N/A</b>
<b>Explosion limits - upper [%]</b>	<b>: N/A</b>
<b>Explosion limits - lower [%]</b>	<b>: N/A</b>
<b>Oxidizing properties</b>	<b>: No data available.</b>

## Section 10: Stability and Reactivity Data

### Reactivity

**Reactivity :** Not established.

### Chemical stability

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

## Section 10: Stability and Reactivity Data (Continued)

### Possibility of hazardous reactions

**Hazardous reactions :** Not established.

### Conditions to avoid

**Conditions to avoid :** Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

### Incompatible materials

**Materials to avoid :** Strong acids. Strong bases.

### Hazardous decomposition products

**Hazardous decomposition products :** Fumes. Carbon monoxide. Carbon dioxide.

## Section 11: Toxicological Information

### Information on toxicological effects

**Toxicity information :** The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

#### **Acute toxicity**

• Inhalation	: Based on available data, the classification criteria are not met.
• Dermal	: Based on available data, the classification criteria are not met.
• Ingestion	: Based on available data, the classification criteria are not met.
Corrosion	: Based on available data, the classification criteria are not met.
Irritation	: Based on available data, the classification criteria are not met.
Sensitization	: Based on available data, the classification criteria are not met.
Mutagenicity	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Based on available data, the classification criteria are not met.
Toxic for reproduction	: Based on available data, the classification criteria are not met.
STOT-single exposure	: Based on available data, the classification criteria are not met.
STOT-repeated exposure	: Based on available data, the classification criteria are not met.
Aspiration hazard	: Based on available data, the classification criteria are not met.

## Section 12: Ecological Information

### Toxicity

**Toxicity information :** Harmful to aquatic life with long lasting effects.

### Persistence – degradability

**Persistence - degradability :** May cause long-term adverse effects in the environment.

### Bio accumulative potential

**Bio accumulative potential :** Not established.

### Mobility in soil

**Mobility in soil :** Not established.

### Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment:** The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

### Other adverse effects

**Environmental precautions:** Avoid release to the environment.

## Section 13: Disposal Considerations

### Waste treatment methods

**General:** Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## Section 14: Transport Information

### Land transport (ADR-RID)

<b>Proper shipping name</b>	<b>: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.</b>
<b>UN N°</b>	<b>: 3077</b>
<b>H.I. nr</b>	<b>: 90</b>
<b>ADR - Class</b>	<b>: 9</b>
<b>Labelling - Transport</b>	<b>: 9 : Miscellaneous dangerous substances and articles.</b>
<b>ADR - Group</b>	<b>: III</b>

## Section 14: Transport Information (Continued)

### Sea transport (IMDG)

**Proper shipping name**

: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
SOLID, N.O.S.

**UN N°**

: 3077

**IMO-IMDG - Class or division**

: 9 : Miscellaneous dangerous substances and articles.

**IMO-IMDG - Packing group**

: III

### Air transport (ICAO-IATA)

**Proper shipping name**

: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
SOLID, N.O.S.

**UN N°**

: 3077

**IATA - Class or division**

: 9 : Miscellaneous dangerous substances and articles.

**IATA - Packing group**

: III

## Section 15: Other Regulatory Information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

**Safety, health and environmental:** Ensure all national/local regulations are observed.

**Regulations/legislation specific for**

**The substance or mixture**

**REACH Restrictions - Annex XVII:** The components of this product are not subject to restrictions.

**REACH Authorization - Annex XIV:** The components of this product are not subject to authorization.

### Chemical Safety Assessment

**Chemical Safety Assessment:** It has not been carried out.

## Section 16 - Additional Information

**References:** Not available.

**Other Special Considerations:** Not available.

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