

## **MATERIAL SAFETY DATA SHEET**

### **ALKALI BLUE 6B INDICATOR SOLUTION** **MSDS CAS:**

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

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

**Product Name:** ALKALI BLUE 6B INDICATOR SOLUTION

**CAS#:** Not Applicable

**Synonym:** Not Applicable

**Chemical Formula:** Not Applicable

**Brand:** OXFORD

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

**Company identification:** OXFORD LAB FINE CHEM LLP  
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Tel: 91-250-2390989  
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#### **Section 2: Composition and Information on Ingredients**

##### **Composition:**

Name	CAS #	% by Weight	Hazardous
Ethanol	64-17-5	96%	Yes
Water	7732-18-5	3.9%	No

## Section 3: Hazards Identification

**Risk advice to man and the environment: Highly flammable.**

## 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:** Flush eyes with water as a precaution.

**If swallowed:** Do NOT induce vomiting. 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:** For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

**Special protective equipment for fire-fighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**Further information**

Use water spray to cool unopened containers.

## Section 6: Accidental Release Measures

**Personal precautions:** Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

## Section 6: Accidental Release Measures (Continued)

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Methods for cleaning up:** Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

## Section 7: Handling and Storage

**Handling:** Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

**Storage:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: 2 - 8 °C

## Section 8: Exposure Controls/Personal Protection

### Personal protective equipment

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air 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:** Face shield and 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.

## Section 9: Physical and Chemical Properties

**Physical state and appearance:** Liquid

<b>Odor</b>	: Not available
<b>Taste</b>	: Not available.
<b>Molecular Weight</b>	: Not available.
<b>Color</b>	: Not available
<b>pH (1% soln/water)</b>	: Not available.
<b>Boiling Point</b>	: Not available.
<b>Melting Point</b>	: Not available
<b>Flash Point</b>	: 14 °C
<b>Critical Temperature</b>	: Not available.
<b>Specific Gravity</b>	: Not available.
<b>Density</b>	: 0,800 g/cm <sup>3</sup>
<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

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

**Conditions to avoid:** Heat, flames and sparks.

**Materials to avoid:** Alkali metals, Ammonia, Oxidizing agents, Peroxides

**Hazardous decomposition products:** Hazardous decomposition products formed under fire conditions. -  
None known.

## Section 11: Toxicological Information

**Acute toxicity:** no data available

**Irritation and corrosion:** no data available

**Sensitisation:** no data available

## Section 11: Toxicological Information (Continued)

### 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.

### Signs and Symptoms of Exposure

Central nervous system depression, narcosis, Nausea, Headache, Vomiting, Damage to the heart. 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. May cause respiratory tract irritation.

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

**Eyes:** May cause eye irritation.

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

**Target:** Organs Nerves. Liver, Heart,

## 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:** Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

### **Contaminated packaging**

Dispose of as unused product.

## Section 14: Transport Information

### Land transport (ADR-RID)

Proper shipping name : ETHANOL SOLUTION  
UN N° : 1170  
IMO-IMDG - Class or division: Class: 3 packing group: II  
IMO-IMDG - Packing group : II

### Sea transport (IMDG) [English only]

Proper shipping name : ETHANOL SOLUTION  
UN N° : 1170  
IMO-IMDG - Class or division: Class: 3 Packing group: II EMS-No: F-E, S-D  
IMO-IMDG - Packing group : II

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

Proper shipping name : ETHANOL SOLUTION  
UN N° : 1170  
IATA - Class or division: Class: 3 packing group: II  
IATA - Packing group : II

## Section 15: Other Regulatory Information

### Labelling according to EC Directives

Hazard symbols

F Highly flammable

R-phrase(s)

R11 Highly flammable.

S-phrase(s)

S16 Keep away from sources of ignition - No smoking

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## **Section 16 - Additional Information**

**References:** Not available.

**Other Special Considerations:** Not available.

### ***Disclaimer:***

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