

## **MATERIAL SAFETY DATA SHEET**

### **KOVAC'S INDOLE REAGENT**

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

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

**Product Name:** KOVAC'S INDOLE REAGENT

**CAS#:** Not available.

**C.I. No.:** Not available.

**Synonym :** 4-(Dimethylamino)benzaldehydesolution Indole reagent according to Kovac

**Chemical Name:** Not available.

**Chemical Formula:** C<sub>9</sub>H<sub>11</sub>NO

**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
KOVAC'S INDOLE REAGENT	-	100

## Section 3: Hazards Identification

### Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Flammable liquids (Category 3)

Acute toxicity, Oral (Category 4)

Skin irritation (Category 2)

Serious eye damage (Category 1)

Specific target organ toxicity - single exposure (Category 3)

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Flammable. Harmful if swallowed. Risk of serious damage to eyes. Irritating to respiratory system and skin.

Vapours may cause drowsiness and dizziness.

Other hazards : None

## Section 4: First Aid Measures

### Description of 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

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

#### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

drying, cracking of the skin, Skin irritation

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

No data available

## Section 5: Fire and Explosion Data

### Extinguishing media

#### 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.

#### Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

#### Further information

no data available

## Section 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. 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.

### Environmental precautions

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

### Methods and materials for contain ent and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

### Reference to other sections

For disposal see section 13.

## Section 7: Handling and Storage

### Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic

## Section 7: Handling and Storage (Continued)

charge.

### Conditions for safe storage, including any incompatibilities

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

Light sensitive. Over time, pressure may increase causing containers to burst Handle and open container with care. Moisture sensitive.

### Specific end uses

no data available

## Section 8: Exposure Controls/Personal Protection

### Control parameters

### Components with workplace control parameters

### Exposure controls

#### Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

### Personal protective equipment

#### Eye/face protection

Tightly fitting safety goggles. Faceshield (8-inch minimum). 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

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

## Section 8: Exposure Controls/Personal Protection (Continued)

### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose 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).

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

a) Appearance Form	: clear, liquid
	Colour : yellow
b) Odour	: odourless
c) Odour threshold	: No data available.
d) pH	: < 1,0 at 20 °C
e) Melting point/Freezing point	: No data available.
f) Initial boiling point and boiling range	: No data available.
g) Autoignition temperature	: No data available.
h) Flammability (solid, gas)	: No data available.
i) Upper/lower flammability or explosive limits	: No data available.
j) Flash point [°C]	: 36 °C
k) Evaporation rate	: No data available.
l) Vapour pressure	: No data available.
m) Vapour density	: No data available.
n) Relative density,	: 0,920 g/cm <sup>3</sup>
o) Solubility in water	: No data available.
p) Viscosity	: No data available.
q) Explosive properties	: No data available.
r) Oxidising properties	: No data available.
s) Decomposition temperature	: No data available.
t) Autoignition temperature	: No data available.
u) Molecular Weight	: 149,19 g/mol

### Other safety information

no data available.

## Section 10: Stability and Reactivity Data

**Reactivity :** No data available.

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

**Possibility of hazardous reactions :** No data available.

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

**Incompatible materials :** Aluminum

**Hazardous decomposition products**

**Other decomposition products -** no data available

## Section 11: Toxicological Information

**Information on toxicological effects**

**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

**Carcinogenicity**

**IARC: 3 - Group 3:** Not classifiable as to its carcinogenicity to humans (Hydrochloric acid)

**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**

## Section 11: Toxicological Information (Continued)

no data available

### Potential health effects

**Inhalation** Toxic if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. Causes respiratory tract irritation.

**irritation.** Vapours may cause drowsiness and dizziness.

**Ingestion** Harmful if swallowed. Causes burns.

**Skin** May be harmful if absorbed through skin. Causes skin burns.

**Eyes** Causes eye burns.

**Signs and Symptoms of Exposure**  
drying, cracking of the skin, Skin irritation

### Additional Information

RTECS: Not Available.

## Section 12: Ecological Information

**Toxicity:** No data available.

**Persistence - 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

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal

## Section 13: Disposal Considerations (Continued)

company.

**Contaminated packaging**  
Dispose of as unused product.

## Section 14: Transport Information

### Land transport (ADR-RID)

Proper shipping name	: CORROSIVE LIQUID, FLAMMABLE, N.O.S.
UN N°	: 2920
H.I. nr	:83
ADR – Class	:8
Labelling – Transport	: 8 : Corrosive substance. 3 : Flammable liquid.
ADR – Group	:II

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

Proper shipping name	: CORROSIVE LIQUID, FLAMMABLE, N.O.S.
UN N°	: 2920
IMO-IMDG - Class or division	: 8 : Corrosive substance. ( 3 : Flammable liquid. )
IMO-IMDG - Packing group	:II

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

Proper shipping name	: CORROSIVE LIQUID, FLAMMABLE, N.O.S.
UN N°	: 2920
IATA - Class or division	: 8 : Corrosive substance. ( 3 : Flammable liquid. )
IATA - Packing group	:II

## Section 15: Other Regulatory Information

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

**Safety, health and environmental regulations/legislation specific for the substance or mixture**  
no data available

## Section 15: Other Regulatory Information(Continued)

**Chemical Safety Assessment**  
no data available

## Section 16 - Additional Information

**References:** Not available.

**Other Special Considerations:** Not available.

### ***Disclaimer:***

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