

# OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

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**Oxford**

Range of  
Laboratory Chemicals

## MATERIAL SAFETY DATA SHEET

### POTASSIUM DICHROMATE SOLUTION 0.25N MSDS CAS:

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

##### Section 1: Chemical Product

**Product Name:** POTASSIUM DICHROMATE SOLUTION 0.25N

**CAS#:** Not available.

**Chemical Name:** POTASSIUM DICHROMATE SOLUTION 0.25N

**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,  
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#### Section 2: Composition and Information on Ingredients

**Substance / Preparation:** Preparation.

**Hazardous component(s):** This product is hazardous.

| Substance name       | Cas no.   | Contents    |
|----------------------|-----------|-------------|
| Potassium dichromate | 7778-50-9 | > 1 < 5 %   |
| Water                | 7732-18-5 | > 75 < 99 % |

## Section 3: Hazards Identification

### Classification of the substance or mixture

**Classification EC 67/548 or EC 1999/45**

**Classification** : Carc. Cat. 2; R45  
Muta. Cat. 2; R46  
Repr. Cat. 2; R60-61

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

#### Health hazard:

Carcinogenicity - Category 1B - Danger (CLP : Carc. 1B) H350

Reproductive toxicity - Fertility - Category 1B - Danger (CLP : Repr. 1B) H360

Reproductive toxicity - Unborn Child - Category 1B - Danger (CLP : Repr. 1B) H360

Germ cell mutagenicity - Category 1B - Danger (CLP : Muta. 1B) H340

Acute toxicity, Inhalation - Category 4 - Warning (CLP : Acute Tox. 4) H332

**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. If experiencing respiratory symptoms : Call a POISON CENTER or doctor if you feel unwell. Remove to fresh air and keep at rest in a position comfortable for breathing.

**Skin contact:** Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash with plenty of soap and water. Get medical advice. Wash contaminated clothing before reuse. If skin irritation or rash occurs

**Eye contact:** Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.

**Ingestion:** Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.

## Section 4: First Aid Measures (Continued)

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

Symptoms relating to use: May cause cancer. May cause genetic defects. May damage fertility.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

May cause damage to organs. May damage the unborn child.

Danger of serious damage to health by prolonged exposure through inhalation.

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

**General information:** Never give anything by mouth to an unconscious person. P308+P313: If exposed or concerned: get medical advice. If exposed or concerned: get medical advice.

## Section 5: Fire and Explosion Data

### 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.  
:Avoid breathing dust, fume, gas, mist, vapours, spray.

**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.

### Methods and material for containment and cleaning up:

**Clean up methods** : On land, sweep or shovel into suitable containers. Store away from other materials.

## Section 7: Handling and Storage

### Precautions for safe handling

**Personal protection:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Do not breathe dust, fume, gas, mist, vapours, spray.

**Handling :** Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Avoid breathing dust, fume, gas, mist, vapours, spray. Obtain special instructions before use. Eliminate all ignition sources if safe to do so. Use only outdoors or in a well-ventilated area. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

**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.

## Section 8: Exposure Controls/Personal Protection

### Exposure controls:

**Personal protection:** Avoid all unnecessary exposure.

• **Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment.  
Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

- **Hand protection:** Wear protective gloves.
- **Skin protection:** Wear suitable protective clothing.
- **Eye protection:** Chemical goggles or safety glasses.
- **Others:** When using, do not eat, drink or smoke.

### Control parameters:

**Occupational Exposure Limits:** No data available.

**Occupational Exposure Limits:** Potassium dichromate : MAC [mg/m<sup>3</sup>] : 0.03

Potassium dichromate : HTP-värden - 8 H - [mg/m<sup>3</sup>] : 5

MAC [mg/m<sup>3</sup>]

: 0.03

## Section 9: Physical and Chemical Properties

|                               |                       |
|-------------------------------|-----------------------|
| Physical state and appearance | : Solid.              |
| Odor                          | : Characteristic.     |
| Taste                         | : Not available.      |
| Molecular Weight              | : Not available.      |
| Color                         | : Colorless.          |
| pH (1% soln/water)            | : Not available.      |
| Boiling Point                 | : 500 degree celcius. |
| Melting Point                 | : 398 degree celcius. |
| Critical Temperature          | : Not available.      |
| Specific Gravity              | : Not available.      |
| Vapor Pressure                | : Not applicable.     |
| Vapor Density                 | : 0,62                |
| Volatility                    | : Not available.      |
| Odor Threshold                | : Not available.      |
| Water/Oil Dist. Coeff.        | : Not available.      |
| Ionicity (in Water)           | : Not available.      |
| Dispersion Properties         | : Not available.      |
| Solubility in water           | : 12.5 (20° C)        |

## Section 10: Stability and Reactivity Data

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions to avoid:** Direct sunlight. Extremely high or low temperatures.

**Incompatibility with various substances:** Not available.

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

**Special Remarks on Reactivity:** Not available.

**Special Remarks on Corrosivity:** Not available.

**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:** Harmful if inhaled.
- **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:** May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**May cause an allergic skin reaction.**

**Mutagenicity:** May cause genetic defects.

**Carcinogenicity:** May cause cancer.

**Toxic for reproduction:** May damage fertility.

**May damage the unborn child.**

**STOT-single exposure:** Causes damage to organ.

**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 information:** The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations. Very toxic to aquatic life. Harmful to aquatic life with long lasting effects.

**BOD5 and COD:** Not available.

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

**Bioaccumulative potential:** Not established.

**Toxicity of the Products of Biodegradation:** Not available.

**Special Remarks on the Products of Biodegradation:** Not available.

**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.

Results of PBT and vPvB assessment: • Potassium dichromate : 294.2

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

## Section 13: Disposal Considerations

**Waste Disposal:** 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)

**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

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

**Safety, health and environmental regulations/legislation specific for the substance or mixture :** Ensure all national/local regulations are observed.

**REACH Restrictions - Annex XVII :** With the exception of those listed below:

The components of this product are not subject to restrictions.

**Annex XVII**

- Potassium dichromate : Annex XVII

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

**Chemical Safety Assessment:**

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

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## Section 16 - Additional Information

**References:** Not available.

**Other Special Considerations:** Not available.

### ***Disclaimer:***

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