OXFORD LAB FINE CHEM LLP
ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

POTASSIUM DICHROMATE 0.0167 mol/L (N/10) (0.1N) for 500 ml Solution

MSDS CAS:

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: POTASSIUM DICHROMATE 0.0167 mol/L (N/10) (0.1N) for 500 ml Solution
CAS#: Not available.
Chemical Name: POTASSIUM DICHROMATE 0.0167 mol/L (N/10) (0.1N) for 500 ml Solution
Chemical Formula: $K_2Cr_2O_7$

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

Substance / Preparation: Preparation.
Hazardous component(s): This product is hazardous.

Substance name	Cas no.	Concentration
Potassium dichromate	7778-50-9	> 5 < 10 %
Water	7732-18-5	> 75 < 99 %

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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 hazards: 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, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302

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.
• Potassium dichromate : 294.2

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.

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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 damage the unborn child. Swallowing a small quantity of this material will result in serious health hazard.

Indication of any immediate medical attention and special treatment needed:

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

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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.**

Methods and material for containment and cleaning up:

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

Section 7: Handling and Storage

Precautions for safe handling

Handling : Eliminate all ignition sources if safe to do so. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Obtain special instructions before use.

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.

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Section 8: Exposure Controls/Personal Protection

Exposure controls:

Personal protection: Avoid all unnecessary exposure.

- **Respiratory protection: Wear approved mask.**
- **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: Potassium dichromate : MAC [mg/m³] : 0.03
Potassium dichromate : HTP-värden - 8 H - [mg/m³] : 5

Section 9: Physical and Chemical Properties

Physical state and appearance	**: Liquid.**
Odor	**: Characteristic.**
Taste	**: Not available.**
Molecular Weight	**: Not available.**
Color	**: Colorless.**
pH (1% soln/water)	**: Not available.**
Boiling Point	**: Not available.**
Melting Point	**: Not available.**
Critical Temperature	**: Not available.**
Specific Gravity	**: Not available.**
Vapor Pressure	**: Not applicable.**
Vapor Density	**: Not available.**
Volatility	**: Not available.**
Odor Threshold	**: Not available.**
Water/Oil Dist. Coeff.	**: Not available.**
Ionicity (in Water)	**: Not available.**
Dispersion Properties	**: Not available.**
Solubility	**: Not available.**

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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: Based on available data, the classification criteria are not met.**
- **Dermal: Based on available data, the classification criteria are not met.**
- **Ingestion: Harmful if swallowed.**

Corrosion: Based on available data, the classification criteria are not met.
Sensitization: Based on available data, the classification criteria are not met.
Mutagenicity: May cause genetic defects.
Carcinogenicity: May cause cancer.
Toxic for reproduction: May damage fertility.
May damage the unborn child.
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.

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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.**

BOD5 and COD: **Not available.**

Persistence - degradability: **Biodegradable.**

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.**

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Section 14: Transport Information (Continued)

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.
• 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.**

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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