

**Material Safety Data Sheet POTASSIUM CHROMATE 5%**

IMPORTANT: Read this MSDS before handling and disposing of this product and pass this information on to employees, customers and users of this product. The contents and format of this MSDS are in accordance with EC Commission Directive 91/155EEC.

1. **Identification**  
Chemical Description Potassium Chromate Solution 5%
2. **Composition**  
Aqueous solution Potassium Chromate 5% Distilled Water 95%
3. **Hazards Identification**  
Health Hazard Toxic: danger of serious damage to health by prolonged exposure  
May cause sensitisation, heritable genetic damage, cancer  
Fire & Explosion Hazard Dry powder may ignite combustible material
4. **First Aid Measures**
  - Eye Contact
    - Irrigate thoroughly with water. Obtain medical attention
  - Inhalation
    - Remove from exposure, rest and keep warm. In severe cases obtain medical attention
  - Skin Contact
    - Wash of skin thoroughly with water. Remove contaminated clothing and wash before re-use. In severe cases obtain medical attention
  - Ingestion
    - Wash out mouth thoroughly with water and give plenty of water to drink. Obtain medical attention. Do not induce vomiting
5. **Fire Fighting Measures**  
Extinguishing Media Water spray
6. **Accidental Release Measures (wear appropriate protective clothing)**  
Absorb on an inert absorbent, transfer to container and arrange removal by disposal company. Wash site of spillage with detergent and water.  
For large spillage's liquid should be contained with sand or earth and transferred to salvage containers for removal by disposal company. If material has entered surface drains it may be necessary to inform local authorities.
7. **Handling and Storage**  
Special Requirements As required by HSE guidance note EH2
8. **Exposure controls / Personal Protection (as appropriate to quantities handled)**  
Protective Equipment Goggles or face-shield, rubber or plastic gloves, plastic apron, sleeves and boots if handling large quantities  
Respiratory Protection Not applicable  
Ventilation Not applicable
9. **Physical and Chemical Properties**  
Appearance/Form Yellow Liquid  
Melting Point n/a  
Flash Point (degC) n/a  
Boiling Point n/a  
Auto-ignition Temp(degC) n/a  
Solubility in water Miscible in all proportions
10. **Stability and Reactivity**  
Stability Stable  
Reaction with water None  
Avoid Contact With Water (no) Acids (no) Bases (no) Oxidisers (no) Combustibles (yes)  
Other Known Hazards Can react with reducing materials
11. **Toxicological information**  
Toxicity No data  
Carcinogenicity Known carcinogen  
Mutagenicity Evidence of mutagenic effects  
Exposure Limits OES, mg/m<sup>3</sup> 0.05Cr (long term 8 hour TWA)
12. **Ecological Information**  
At low concentration no hazard expected if handled and disposed of with due care
13. **Disposal Considerations**  
Dispose of in accordance with local authority requirements or pass to chemical disposal company
14. **Transportation Information**  
UN No N.R  
IATA N.R  
IMO N.R  
ADR/RID N.R
15. **Regulatory Information**  
Symbol Toxic  
Risk Phrases R43 R46 R49  
Safety Phrases S24 S37 S38 S45

**16. Other Information**

All information, recommendations and suggestions herein concerning the above product are based upon data believed to be reliable, however, it is the users responsibility to determine the safety, toxicity, and suitability for his/her own use of the product described herein. The information herein should not be construed as being absolutely complete since additional information may be necessary or desirable when special or exceptional circumstances exist or because of applicable laws or regulations.

## Disclaimer

The preceding is given in good faith as required under the health and safety at work act 1974, but no warranty is implied or given. The information provided is designed to enable the user to use the product safely. If the information is insufficient to ensure safety in any particular application, contact "the supplier" for further advice before proceeding.

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