

AUSTRALIAN CHEMICAL REAGENTS
SAFETY DATA SHEET

Date Prepared: April 2021
Version No: 8

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Potassium Chromate Solution 5% and 0.25 moles per litre
Product Code: 0236, 2661
Other Names: Nil
Uses: Analytical Reagent

Supplier: Australian Chemical Reagents
38-50 Bedford Street Gillman SA 5013

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2. HAZARDS INFORMATION

GHS Classification

Acute toxicity – Oral Category 4
Acute toxicity – Inhalation Category 3
Carcinogenicity: Category 1A
Germ Cell Mutagenicity: Category 1B
Reproductive Toxicity: Category 1B
Hazardous to the Aquatic Environment - Long-Term Hazard: Category 1

Signal Word(s)

DANGER

Pictogram(s)



Hazard Statement(s)

H302 Harmful if swallowed.
H331 Toxic if inhaled.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H340 May cause genetic defects.
H340 May cause genetic effects.
H350 May cause cancer.
H360 May damage fertility or the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure if inhaled.
H411 Toxic to aquatic life with long lasting effects.

**Precautionary Statement(s)
Preventative**

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P281 Use personal protective equipment as required.

Response

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330 Rinse mouth.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P311 Call a POISON CENTER or doctor/physician.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P391 Collect spillage.

Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Disposal

P501 Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients :

Chemical Entity	CAS No	Proportion
Potassium chromate	[7789-00-6]	5%
Water	[7732-18-5]	to 100%

4. FIRST AID MEASURES

Safety showers and eye wash facilities should be provided.

Swallowed :

If conscious wash out mouth with water. Seek medical advice. Show this SDS to medical practitioner.

Eye :

Immediately hold eyelids open and flood with water for at least 15 minutes. Obtain medical aid. Show this SDS to medical practitioner.

Skin :

Remove contaminated clothing. Immediately wash skin thoroughly with water and mild soap. Seek medical advice. Show this SDS to medical practitioner. Launder clothing before reuse.

Inhaled :

Remove from contaminated air. Maintain breathing with artificial respiration if necessary. Seek medical assistance. Show this SDS to a doctor.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Water spray carbon dioxide, dry chemical powder, or appropriate foam.

Hazards From Combustion Products:

Not flammable Decomposition products include oxides of chromium and potassium.

Precautions For Fire Fighters and Special Protective Equipment:

Fire fighters and others who may be exposed to combustion products during fire should wear full protective clothing including positive pressure self-contained breathing apparatus (SCBA). Wear SCBA with full face-piece, operated in positive pressure mode when fighting fires.

Hazchem Code: 2X

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures:

Prevent from entering waterways. Restrict access to area. Remove chemicals that can react with the spilled material.

Methods and materials for containment and clean up:

Ventilate area. Wear protective clothing. Use inert material such as sand or earth to contain spill or leak. Absorb spills with chemical absorber or vermiculite and dispose of in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Do not get in eyes, on skin, on clothing. Avoid all personal exposure.

Conditions for Safe Storage:

Store separate from foods. Do not store in direct sunlight. Observe good hygiene and housekeeping practices.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards:

Safe Work Australia – Chromium (VI) compounds (as Cr) water soluble 0.05 mg/m³ TWA
Sensitising agent

Biological Limit Values: No data available.

Engineering Controls:

If mists are likely to be generated maintain atmospheric concentrations well below exposure standards with flameproof extraction ventilation.

Personal Protective Equipment (PPE):

The use of nitrile or neoprene gloves complying with AS 2161 and the use of faceshield, chemical goggles or safety glasses with side shield protection complying with AS/NZS 1337 is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance :	Clear yellow liquid
Odour:	Nil
pH:	Not applicable
Boiling Point (°C) :	100
Freezing/melting Point:	Not applicable
Vapour Pressure (mm of Hg @ 25°C) :	25
Vapour Density:	1
Specific Gravity :	1
Flash Point (°C) :	NA
Flammability Limits (%) :	NA
Solubility in Water (g/L) :	Soluble

10. STABILITY AND REACTIVITY

Chemical stability:

Stable.

Conditions to avoid:

Heat. Ignition sources.

Incompatible materials:

Organic liquids. Reducing agents

Hazardous decomposition products:

Refer to section 5 (Fire Fighting Measures).

Hazardous reactions:

Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Health Effects:

Swallowed : Irritating to tissue. Harmful if swallowed.

Eye : Irritating to eye tissue.

Skin : Very irritating to skin tissue. Harmful. May be absorbed through cuts and abrasions with toxic effects. Sensitisation may result.

Inhaled : Not considered a hazard with normal laboratory use. Inhalation of mists may result in irritation and sensitisation of mucous membranes and the upper respiratory tract.

Chronic Effects: Repeated or prolonged exposure to chromium compounds may result in liver, kidney and blood disorders. Mists may cause cancer of the lungs, nasal cavity and paranasal sinus. Repeated skin contact may result in chrome ulcers and sensitisation.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Environmental toxin

Persistence and degradability:

No data available.

Mobility:

No data available.

13. DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service to dispose of this material and container. Observe all federal, state and local environmental regulations.

14. TRANSPORT INFORMATION

UN Number: 3287

UN Proper Shipping Name: TOXIC LIQUID, INORGANIC, NOS (5% Potassium chromate)

Class and subsidiary risk(s): 6.1

Packing Group: III

Hazchem Code: 2X

Special precautions for user : Not Applicable

15. REGULATORY INFORMATION

Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP):

Schedule 6

16. OTHER INFORMATION

Disclaimer:

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ENF of SDS