

SAFETY DATA SHEET

POTASSIUM CHROMATE AR

1. Identification of the substance/preparation and of the company or firm

1.1 Identification of the substance or preparation:

Catalogue no. : KA385

Product name : Potassium chromate AR

1.2 Use of the substance/preparation: For laboratory utilisation, analysis, research and fine chemistry.

1.3 Identification of the company or firm: Elago Enterprises Pty Ltd, 5 The Cloisters, Cherrybrook, N.S.W. 2126, Australia

Tel no. (61) 2 98998169

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1.4 Emergency telephone: (61) 2 98998169 (9:00am - 5:00 pm) [Office hours]

2. Identification of dangers

2.1 Classification of the substance.

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

Chronic effect to the aquatic environment, Category 1: Very toxic to aquatic life with long lasting effects.

Carcinogen, Category 1B: May cause cancer by inhalation.

Eye irritation, Category 2: Causes serious eye irritation.

Mutagen, Category 1B: May cause genetic defects.

Skin irritant, Category 2: Causes skin irritation.

Skin sensitiser, Category 1: May cause an allergic skin reaction.

Specific target organ toxicity, Single exposure, Category 3: May cause respiratory irritation.

2.2 Label elements.

Hazard pictograms



Signal words : Danger.

Hazard statements (H) :

H315 : Causes skin irritation.

H317 : May cause an allergic skin reaction.

H319 : Causes serious eye irritation.

H335 : May cause respiratory irritation.

H340 : May cause genetic defects.

H350i : May cause cancer by inhalation.

H410 : Very toxic to aquatic life with long lasting effects.

Precautionary statements (P) :

P201 : Obtain special instructions before use.

P261 : Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 : Avoid release to the environment.

P280 : Wear protective gloves/protective clothing/eye protection/face protection

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.

P314 : Get medical advice/attention if you feel unwell.

2.3 Other hazards.

None known.

3. Composition/information on ingredients

Substance / Preparation.

Potassium chromate

Formular: K_2CrO_4

CAS No : 7789-00-6

Molecular weight : 194.20

Contains no other components or impurities which will influence the classification of the product.

Mixture.

Not applicable.

4. First-aid measures

4.1 Description of first aid measures.

- Inhaling: Take the person out into the fresh air. If unconscious, place them in a suitable position and seek medical assistance.
- Skin contact: Wash with plenty of water. Remove contaminated clothing.
- Eyes: Wash with plenty of water. Remove contact lenses and keeping eyelids open.
- Ingestion: Never induce vomiting. Seek immediate medical assistance.

4.2 Most important symptoms and effects, both acute and delayed.

Toxic Product, if contact may result in serious respiratory difficulties, alteration of the central nervous system and in extreme cases, unconsciousness. Immediate medical assistance is required.

4.3 Indication of any immediate medical attention and special treatment needed.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

5. Fire-fighting measures

5.1 Suitable extinguishing media.

Recommended extinguishing methods: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

5.2 Special hazards arising from the substance.

Special risks: Under fire conditions, hazardous fumes may present.

5.3 Advice for firefighters.

Do not enter fire area without proper protective equipment, including respiratory protection.

Fire protection equipment: According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and gloves.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures.

For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

Product dangerous for the environment. Do not allow it to enter the drainage system. Avoid pollution of the soil, water supplies and drains.

6.3 Methods and material for containment and cleaning up.

The contaminated area should be immediately cleaned with an appropriate de-contaminator. Store away from other materials. Collect spillage.

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

7. Handling and storage

7.1 Precautions for safe handling.

The product does not require special handling measures. Ensure good ventilation and renewal of the air in the premises.

Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities.

The product does not require special storage measures. Well sealed containers. Away from sources of ignition and heat.

7.3 Specific end use(s).

None.

8. Exposure controls/personal protection

8.1 Control parameters.

The product does NOT contain substances with Professional Exposure Environmental Limit Values.

The product does NOT contain substances with Biological Limit Values.

8.2 Exposure controls.

Personal protection : Avoid all unnecessary exposure.

Respiratory protection : Wear approved mask.

Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Others : When using, do not eat, drink or smoke.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties.

- | | |
|------------------|---------------------|
| Appearance: | Solid. |
| Colour: | Lemon yellow. |
| Odour: | Odourless |
| Odour threshold: | No data available. |
| pH value: | 8.5-10.0 (5%, 20°C) |

Melting Point:	No data available.
Boiling Point:	971 °C
Flash point:	1000 °C
Flammability (solid, gas) :	No data available.
Evaporation rate :	No data available.
Vapour pressure:	No data available.
Vapour density :	6.7 (20 °C)
Lower Explosive Limit:	No data available.
Upper Explosive Limit:	No data available.
Solubility:	637 g/l (20 °C)
Density:	No data available.
Relative density:	2.73 g/cm ³
Partition coefficient (n-octanol/water):	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.

9.2 Other information.

None.

10. Stability and reactivity

10.1 Reactivity.

The product does not present hazards by their reactivity.

10.2 Chemical stability.

Stable under room temperature.

10.3 Possibility of hazardous reactions.

Neutralization can occur on contact with acids.

10.4 Conditions to avoid.

Avoid heating and contact with acids.

10.5 Incompatible materials.

Avoid contact with acids.

10.6 Hazardous decomposition products.

Depending on conditions of use, can be generated corrosive vapors or gases.

11. Toxicological information

11.1 Information on toxicological effects.

Acute toxicity.

Inhalation: Based on available data, the classification criteria are not met.

Dermal: Causes skin irritation.

Ingestion: Based on available data, the classification criteria are not met.

Corrosion: Based on available data, the classification criteria are not met.

Irritation: Causes serious eye irritation.

Sensitization: May cause an allergic skin reaction.

Mutagenicity: May cause genetic defects.

Carcinogenicity: May cause cancer by inhalation.

Toxic for reproduction: Based on available data, the classification criteria are not met.

STOT-single exposure: May cause respiratory irritation.

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.

12. Ecological information

12.1 Toxicity.

Toxicity to fish.

LC50 Pimephales promelas : 39.8 mg/l; 96 h

Toxicity to Aquatic invertebrates.

EC50 Daphnia magna : 0.02 mg/l; 48 h

12.2 Persistence and Degradability.

Biodegradable.

12.3 Bioaccumulative potential.

Not established.

12.4 Mobility in soil

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways. Prevent penetration into the ground.

12.5 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.

12.6 Other adverse effects.

No information is available about other adverse effects for the environment.

13. Disposal considerations

13.1 Waste treatment methods.

Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

14. Transport information

14.1 UN number.

UN No: UN3288

14.2 UN proper shipping name.

ADR: UN 3288 TOXIC SOLID, INORGANIC, N.O.S., 6.1, PG III, (E), ENVIRONMENTALLY HAZARDOUS
IMDG: UN 3288 TOXIC SOLID, INORGANIC, N.O.S., 6.1, PG III, ENVIRONMENTALLY HAZARDOUS
ICAO: UN 3288 TOXIC SOLID, INORGANIC, N.O.S., 6.1, PG III, ENVIRONMENTALLY HAZARDOUS

14.3 Transport hazard class(es).

Class(es): 6.1

14.4 Packing group.

Packing group: III

14.5 Environmental hazards.

Marine pollutant: Yes

14.6 Special precautions for user.

Labels: 6.1

Hazard number: 60

ADR LQ: 500 g

Provisions concerning carriage in bulk ADR: Not authorized carriage in bulk in accordance with ADR.

Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): F-A,S-A

Proceed in accordance with point 6.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code.

The product is not transported in bulk.

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance.

Ensure all national/local regulations are observed.

The product is not affected by REACH Restrictions - Annex XVII

The product is not affected by REACH Authorisation - Annex XIV

15.2 Chemical safety assessment.

Not Scheduled.

16. Other Information

Abbreviations and acronyms :

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

EC50: Effective concentration, 50%

IC50: Inhibitory Concentration, 50%

LC50: Lethal concentration, 50%.

LD50: Lethal dose, 50%.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

IMDG: International Maritime Code for Dangerous Goods.

PBT: persistent, bioaccumulative and toxic. vPvB: very persistent and very bioaccumulative.

Sources of key data used.

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Review number and date.

v. 1.0

Date published.

20-Apr-2016

Further information.

None.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

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