

1. Identification

Product Code CP6624-52

Product Name POTASSIUM IODATE (VII) L.R.
(POTASSIUM PERIODATE)

Molecular Formula KIO_4 =230.00

CAS Number 7790-21-8

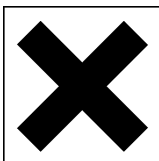
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(Have this document to hand)

2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
POTASSIUM IODATE (VII) L.R.	7790-21-8	232-196-0	100.0%	O Xn : R8,R20/21/22	N/A

3. Hazards Identification

Contact with combustible material may cause fire. Harmful by inhalation, in contact with skin and if swallowed.

4. First Aid Measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists OBTAIN MEDICAL ATTENTION.

Skin Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use. If discomfort persists OBTAIN MEDICAL ATTENTION.

Inhalation Remove from exposure.

Ingestion If conscious give plenty of water to drink. OBTAIN MEDICAL ATTENTION URGENTLY.

5. Fire Fighting Measures

Hazards Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. May evolve toxic fumes if involved in a fire.

Extinguishing Media Water spray, foam, dry powder or carbon dioxide.

Unsuitable Media Nothing specified.

6. Accidental Release Measures

Personal Protection	Use approved personal protective equipment. Do not allow general use of area until it is safe to do so.
Environmental	Keep material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.
Major Spillage	Shovel/sweep up into container for removal Wash to drain with copious amounts of water.
Minor Spillage	Wash to drain with copious amounts of water.

7. Storage & Handling

Handling Precautions	Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing. Ensure Local Exhaust Ventilation maintains dust concentrations below the recommended limits.
Storage Conditions	Store in a suitable area for oxidising agents. Keep well separated from acids, metals, explosives, organic peroxides and ignitable materials. Do not store on wooden surfaces.

8.1 Occupational Exposure Limits

No prescribed exposure limits available

8.2 Personal Protection

Respiratory	Use L.E.V. or natural ventilation to maintain dust concentrations below exposure limits. If not, use a well maintained chemical cartridge respirator, or use self contained breathing apparatus.
Hands	Use nitrile gloves or PVC gauntlets.
Eyes	Use chemical splash proof glasses or goggles.
Skin	Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

9. Physical & Chemical Properties

Appearance	White powder.
Odour	Odourless.
pH	5 @ 20 °C
Boiling point	999.0 °C
Melting point	582.0 °C
Flash point	Not available
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Auto Ignition	Not available
Explosive properties	Not explosive as a single substance.
Oxidising Properties	Yes.
Vapour Pressure	Not available.
Relative Density	Not available
Water Solubility	Sparingly soluble in water.

10. Stability & Reactivity

Chemical Stability	Stable under normal conditions
Conditions to Avoid	Hot surfaces, naked flames or other sources of ignition.
Materials to Avoid	Reducing agents. Metal powders.
Hazardous Decomposition Products	Not determined.

11. Toxicological Information

Eyes	Dilute solutions are mildly irritating to the eye. Concentrated solutions and crystals are be extremely irritating to eyes and can cause chemical eye burns.
Skin	Solutions may cause skin irritation whilst the solid may cause chemical burns.
LD50 Skin	Not available
Ingest	Ingestion may cause Ingestion of low to moderate amounts can result in burning in the throat and gastro-intestinal effects such as ulceration, nausea, vomiting, diarrhoea and constipation.
LD50 Ingest	Not available
Inhalation	High concentrations of vapour may produce irritation of the eyes, nose, throat and respiratory tract.
Carcinogenicity	No information is available.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	Gynaecological disturbances have been reported in women and sexual dysfunction in test animals.

12. Ecological

Small amounts present no specific environmental hazard.

13. Disposal Considerations

Disposal Methods	Do not dispose of as domestic waste. Mix with a reducing agent eg. sodium metabisulphite or thiosulphate or a ferrous salt. Dilute with water. A sulphite/ferrous salt requires the addition of 2M sulphuric acid to promote rapid reduction. Neutralise slurry with soda ash and wash to drain with lots of water.
Contaminated Packaging	Wash out containers with water.

14. Transport Information

Proper Shipping Name	Oxidising solid n.o.s.
UN Number	1479
UN Classification	5.1 Oxidising agent
Subsidiary Risk	None
Flash Point	Not available
Packing Group	II
Marine pollutant	No
ADR Hazard ID	50



15. Regulatory Information

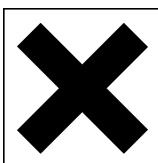
Labelling	Oxidising, Harmful.
Classification	

Label Symbols

O



Xn



Risk & safety Phrases	Contact with combustible material may cause fire. Harmful by inhalation, in contact with skin and if swallowed. Keep away from combustible material. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.
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EEC Number	232-196-0
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16. Other Information

Document Information This document has been prepared in accordance with directive 88/379/EEC.

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.

Revision Date: 19/11/03.

Data reviewed and PDF file generated: 07/06/04.

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