



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : P 12817
Product Name : POTASSIUM IODATE L.R.

Manufacturer/supplier identification
Company : NICE Chemicals (P) Ltd., Cochin, India
Tel - 0484 2800212, 2802755

Contact for information : Tel. No.- 0484 2802536 Fax : 0484 2802483
Emergency Telephone No. : 0484 2801583 Tele fax No. : 0484 2802483

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS-No : 7758-05-6 Ec-Index No. :

Molar Mass : 214.00 EC-No. : 231-831-9

Molecular formula : IKO_3

3. HAZARDS INDEX

Contact with combustible material may cause fire.

4. FIRST AID MEASURES

After inhalation : Fresh air. Summon doctor if necessary.
After skin contact : Wash off with plenty of water. Remove contaminated clothing.
After eye contact : Rinse out with plenty of water with the eyelid held wide open.
Summon eye specialist if necessary.
After swallowing : Make victim drink plenty of water, induce vomiting,
summon doctor.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : In adaption to materials stored in the
immediate neighbourhood.

Special risks : Fire-promoting. Keep away from combustible materials. The
following may develop in event of fire iodine

6. ACCIDENTAL RELEASE MEASURES

Person -related precautionary measures : Avoid generation of dusts;
do not inhale dusts.

Procedures for cleaning/absorption : Take up dry. Forward for disposal.
Clean up affected area.

7. HANDLING AND STORAGE

Handling - No further requirements.



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Storage - Tightly closed. Dry. In a ventilated place.
Away from combustible substances. Store at +15°C to +25°C.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respiratory protection : Required when dust are generated.
Eye Protection : Required
Hand Protection : Required

Industrial hygiene : Change contaminated clothing.
Wash hands after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Solid
Colour	:	White
Odour	:	Odourless
pH value at 50 g/l H ₂ O (20° C)	:	~ 6
Melting temperature	:	560° C
Boiling temperature	:	Not available
Ignition temperature	:	Not available
Flash Point	:	Not applicable
Explosion limit lower	:	Not available
upper	:	Not available
Relative vapour density	:	Not available
Density (20° C)	:	3.98 g/cm ³
Bulk density	:	~ 2000 Kg/m ³
Solubility in Water (0° C)	:	47 gm/lt.
Water (100° C)	:	323 gm/lt.
Thermal decomposition	:	560° C

10. STABILITY AND REACTIVITY

Conditions to be avoided : No information available.
Substances to be avoided : Combustible substances.
Hazardous decomposition products : No information available.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity : LDLo (oral, mouse) : 531 mg/kg.
Further toxicological information :
After swallowing : irritations of mucous membranes in the mouth, pharynx,
oesophagus and gastrointestinal tract.
After absorption of toxic quantities : Gastrointestinal complaints, cyanosis,
collapse, respiratory arrest.



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Further data : The product should be handled with the care usual when dealing with chemicals.

12. ECOLOGICAL INFORMATION

Ecotoxic effects : Biological effects :

Quantitative data on the ecological effect of this product are not available.

Further ecologic data : A harmful effect on aquatic organisms cannot be excluded in the event of improper handling or disposal.

13. DISPOSAL METHOD

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like house-hold waste or recycled.

There are no uniform EC Regulations for the disposal of chemicals or residues.

Chemical residues generally count as special waste. Approved waste disposal companies which will advise you on how to dispose of special waste.

14. TRANSPORT INFORMATION

IMDG class : 5.1 UN-No.: 1479 Packing group : II
Ems : 5.1-11 MFAG : 760-4.3 ICAO/IATA class : 5.1
GGVS/GGVE class : 5.1

15. REGULATORY INFORMATION

Labeling according to EC Directives

Symbol : O Oxidizing

R-phrases : 8 Contact with combustible material may cause fire.

S-phrases : 17 Keep away from combustible material.

Water pollution class : 1 (slightly polluting substance) (own classification)

16. OTHER INFORMATION

Reason for alteration

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.