



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : P 14317  
Product Name : POTASSIUM IODIDE

### 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 : 7681-11-0 EC-Index No. : ----  
Molar Mass : 166.01 EC-No. : 231-659-4  
Molecular Formula : IK

## 3. HAZARDS IDENTIFICATION

No evaluative data are available. A classification according to categories of danger as specified in Directive 67/548/EEC and laid down in the legislation of the country concerned can therefore not be made. In this context, hazardous properties can therefore not be excluded.

## 4. FIRST AID MEASURES

After inhalation : Fresh air. Consult doctor if feeling unwell.

After skin contact : Wash off under running water. Remove contaminated clothing.

After eye contact : Rinse out with water.

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 : Non - combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

Special protective equipment for fire fighting : Do not stay in dangerous zone without self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

Person-related precautionary measures : Avoid substance contact.



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

## 7. HANDLING AND STORAGE

Handling: Store protected from solvents.  
Storage: Tightly closed. Dry.  
Protected from light. Store at +15° C to 25° C

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## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respiratory protection : Not required  
Eye protection : Required  
Hand protection : Not required

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Industrial hygiene : Change contaminated clothing. Wash hands after working with substance. Application of skin-protective barrier cream recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Solid
Colour	:	Colourless to White
Odour	:	Odourless
pH value at 50 g/l H <sub>2</sub> O (20° C)	:	~6.9
Melting temperature	:	686° C
Boiling temperature	:	1330 C
Ignition temperature	:	Not available
Flash Point	:	Not applicable
Explosion limit lower	:	Not available
upper	:	Not available
Relative vapour density	:	Not available
Density (20° C)	:	3.13 gm/cm <sup>3</sup>
Bulk Density	:	~1500 kg/m <sup>3</sup>
Solubility in Water (20 ° C)	:	1270 gm/lit.

## 10. STABILITY AND REACTIVITY

Conditions to be avoided : No information available.  
Substances to be avoided : Alkali metals, ammonia, halogen-halogen compounds, fluorine, hydrogen peroxide.



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Hazardous decomposition products : No information available.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity :  
Quantitative data on the toxicity of this product are not available.  
Further toxicological information :  
After skin contact : Absorption.  
After eye contact : Slight irritations.

After swallowing: Absorption via: gastrointestinal tract.  
Other notes : After absorption of toxic quantities :  
drop in blood pressure, paralysis symptoms, agitation, vomiting.

The following applies to iodides in general :  
Sensitization with allergic manifestations in predisposed persons.

Further data : Therapeutically used substance.

## 12. ECOLOGICAL INFORMATION

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

Further ecologic data : The following applies to iodides in general :  
biological effects : Crustaceans : D.magna EC : 2.7mg/lt.;  
protozoa : E.sulcatum toxic as from 40 mg/lt.

No ecological problems are to be expected when the product is handled and  
used with due care & attention.

## 13. DISPOSAL METHOD

There are no uniform EC Regulations for the disposal of chemicals or residues.  
Chemical residues generally count as special waste. The disposal of the latter is  
regulated in the EC member countries through corresponding laws & regulations.  
We recommend that you contact either the authorities in charge or approved waste  
disposal companies which will advise you on how to dispose of special waste.

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 household waste or recycled.

## 14. TRANSPORT INFORMATION

Not subject to transport regulations.

## 15. REGULATORY INFORMATION

Labeling according to EC Directives



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Symbol : ---

R-phrases : ---

S-phrases : ---

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

### 16. OTHER INFORMATION

Reason for alteration

General update

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.