



# SAFETY DATA SHEET

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

Catalogue No. : P 20317  
Product Name : POTASSIUM PERIODATE

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

Synonyms : Potasium tetroxoiodate

CAS-No : 7790-21-8 EC Index No. : 007-011-00-X  
Molar mass : 230.00 EC –No. : 232-196-0  
Molecular Formula :  $\text{IKO}_4$

## 3. HAZARDS IDENTIFICATION

Contact with combustible material may cause fire.

## 4. FIRST AID MEASURES

After skin contact : Wash off with plenty of water .  
After eye contact : Rinse out with plenty of water with the eyelid held wide open.  
After inhalation : Fresh air.  
After swallowing : Make victim drink plenty of water, induce vomiting.  
Immediately summon doctor .

## 5. FIRE – FIGHTING MEASURES

Suitable extinguishing media : In adaption to materials stored in the immediate neighbourhood.  
Special risks : Non-combustible .Fire – promoting .Keep away from combustible materials . Beware of backfiring. The following may develop in event of fire: hydrogen iodide, iodine.

## 6. ACCIDENTAL RELEASE MEASURES

Take up dry. Forward for disposal. Clean up affected area .

## 7. HANDLING AND STORAGE

Handling : No further requirements.  
Storage : Away from combustible substances. Keep away from sources of ignition and heat.



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## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : Require when dusts 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 5g/lH <sub>2</sub> O (25°C)	:	Near 5.1
Melting temperature	:	581 ° C
Boiling temperature	:	Not available
Ignition temperature	:	Not available
Flash point	:	Not available
Explosion limits lower	:	Not available
Upper	:	Not available
Relative vapour density	:	Not available
Density (15°C)	:	3.62 g/cm <sup>3</sup>
Bulk density	:	Near 1500-1800 kg/m <sup>3</sup>
Solubility in water (20°C)	:	7 g/l

## 10. STABILITY AND REACTIVITY

Conditions to be avoided : Strong heating.

Substance to be avoided : Risk of explosion with : combustible substances.

Hazardous decomposition :products : Toxic gases.

Further information : Strong oxidizing agent.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity: Quantitative data on the toxicity of this product are not available.

Further toxicological information: Property which must be imputed on the basis  
antic of the chemical /physical data:

After eye contact : Irritations. Property that cannot be excluded on the basis of  
structure- effect considerations : Sensitization with allergic manifestations in  
predisposed persons. Further hazardous properties cannot be excluded.

Further data :

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



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## 12. ECOLOGICAL INFORMATION

Quantitative data on the ecological effect of this product are not available.  
No ecological problems are to be expected when the product is handled and used  
with due care and 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/approved waste  
disposal companies which will advise you on how to dispose of special waste.

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

## 14. TRANSPORT INFORMATION

GGVS/GGVE class : 5.1      Number and letter : 27 a  
Transport over land      ADR/RID class : 5.1      Number and letter : 27 a  
ADR/RID and GGVS/GGVE      Name of material : 1479 POTASSIUM PERIODATE

Sea transport IMDG :      IMDG class : 5.1      UN-NO. : 1479      Packaging group : 1  
Ems : 5.1-11      MFAG : 760, 4.3  
Correct technical name : POTASSIUM PERIODATE

Air transport :      ICAO/IATA : 5.1      UN/ID-No. : 1479      Packaging group : 1  
ICAO-TI and IATA-DGR      Correct technical name : POTASSIUM PERIODATE

## 15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : O      Oxidizing.

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

S-phrases : ----

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



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### 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.