



## **SAFETY DATA SHEET**

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

Catalogue No. : P 34109  
Product Name : Periodic acid  
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 Telefax No. : 0484 2802483

### **2. COMPOSITION / INFORMATION ON INGREDIENTS**

CAS-No : 10450-60-9 EC-No. : 233-937-0  
Molecular formula:  $\text{H}_5\text{IO}_6$  Molar mass : 227.94

### **3. HAZARDS IDENTIFICATION**

Contact with combustible materials may cause fire. Causes burns.

### **4. FIRST AID MEASURES**

After inhalation : fresh air. Summon doctor.  
After skin contact: wash off with plenty of water .Remove contaminated clothing  
After eye contact: rinse out with plenty of water if pain persists consult an eye specialist  
After swallowing: make victim drink plenty of water. Avoid vomiting. Immediately summon doctor. Do not attempt to neutralize.

### **5. FIRE – FIGHTING MEASURES**

Suitable extinguishing media : water, carbon dioxide.

Special risks : Fire promoting. Keep away from combustible materials Development of hazardous combustion gases or vapours possible in the event of fire.

The following may develop in the event of fire: iodine, hydrogen iodide.

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

Other information: Contains escaping vapours with water  
Prevent fire fighting water from entering surface water or ground water.



## **SAFETY DATA SHEET**

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|               |   |               |
|---------------|---|---------------|
| Catalogue No. | : | P 34109       |
| Product Name  | : | Periodic acid |

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### **6. ACCIDENTAL RELEASE MEASURES**

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

Person – related precautionary measures :  
Avoid generation of dusts. Do not inhale dusts. Avoid substance contact.

Environmental protection measures: Do not allow to enter sewage system.

### **7. HANDLING AND STORAGE**

Handling : No further requirements.

Storage : Tightly closed Dry . Keep away from sources of ignition and heat. Storage temperature : no restrictions.

Notes for common storage:  
Separately or together with other oxidizing substances only.

### **8. EXPOSURE CONTROLS /PERSONAL PROTECTION**

Personal protective equipment

Respiratory protection : required when dusts are generated .  
Eye protection : required

Hand protection : required

Protective clothing should be selected for the working place depending on concentration and quantity of the hazardous substance handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier  
Industrial hygiene : Change contaminated clothing. Application of skin protective barrier cream recommended . Wash hands after working with substance .

### **9. PHYSICAL AND CHEMICAL PROPERTIES**

|          |   |           |
|----------|---|-----------|
| Form     | : | solid     |
| Colour   | : | white     |
| Odour    | : | odourless |
| PH value | : | ~ 1.2     |



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|----------------------|----------|----------------------|
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At 100 g/l H<sub>2</sub>O (20<sup>0</sup> C )  
Melting temperature : 124-127 <sup>0</sup> C  
Boiling temperature : not available  
Ignition temperature : not available  
Flash point : not available  
Explosion limits lower: not available  
Upper : not available  
Density (20<sup>0</sup> C ) : not available  
Solubility in  
water ( 20<sup>0</sup>C) : ~ 2430 g/l  
ethanol (20<sup>0</sup>C) : soluble.

### **10. STABILITY AND REACTIVITY**

Conditions to be avoided : heating.

Substance to be avoided : sulfoxides, organic combustible substances, non metals , oxidisable substances.

Hazardous decomposition products : in the event of fire: iodine, hydrogen iodide

Further information: hygroscopic;

### **11. TOXICOLOGICAL INFORMATION**

Acute toxicity:

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

Further toxicological information

After skin contact: burns

After eye contact: Burns.

After swallowing: burns in oesophagus and stomach.

Other notes:

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

Possible symptoms: asthma, bronchitis, exanthem.

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



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

Further ecologic data:  
Do not allow to enter waters, waste water or soil.

**13. DISPOSAL METHOD**

Product : 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 and 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 .

Packaging : Disposal in compliance with official Regulations . Handle contaminated packaging as 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**

Transport over land

ADR/RID and GGVS/GGVE :

GGVS/GGVE class: 5.1

ADR/RID class : 5.1

Number and letter: 31 a

Number and letter: 31 a

River transport AND/ADNR: Not examined

Sea transport IMDG :

IMDG class:5.1

Ems : 5.1-05

UN –No.: 3085

MFAG: 760, 4.3

Packaging group: I

Air transport

ICAO-TI and IATA-DGR:

ICAO/IATA class: 5.1/8

UN/ID-No.: 3085

Packaging group: I

**15. REGULATORY INFORMATION**

Labelling according to EC Directives



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|            |   |                |   |
|------------|---|----------------|---|
| Symbol     | : | C<br>O         | Corrosive<br>Oxidising  |
| R- Phrases | : | 8-34           | Causes burns. Contact with combustible materials may cause fire.  |
| S-phrases  | : | 26-36/37/39-45 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of accident or if you feel unwell, seek medical advice immediately.<br>Wear suitable protective clothing, gloves and eye/face protection. |

Water pollution class : 2 ( polluting substance)

### **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.