



# SAFETY DATA SHEET

## 1. Identification of the preparation and of the company

Catalogue No. : P 13429  
Product Name : POTASSIUM PERMANGANATE

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 : Permanganic acid potassium salt

CAS-No : 7722-64-7 Ec-Index No. : 025-002-00-9  
Molar Mass : 158.04 EC-No. : 231-760-3  
Molecular formula :  $KMnO_4$

## 3. Hazards

Contact with combustible material may cause fire.

Harmful if swallowed.

## 4. First Aid Measures

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

After skin contact : Wash off with plenty of water.

Remove contaminated clothing.

After eye contact : rinse out with plenty of water for at least 10 minutes with the eyelid held wide open. Summon eye specialist.

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.

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.

Other information : Contain escaping vapours with water. Prevent fire-fighting Water from entering surface water or groundwater.



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## 6. Accidental Release Measures

Person-related precautionary measures: Avoid generation of dusts.

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

Environmental-protection measures: Do not allow to enter sewerage system.

## 7. Handling and Storage

Handling: No further requirements.

Storage : Tightly closed. Dry. Away from combustible substances  
Keep away from sources of ignition and heat.

Storage temperature: No restrictions.

## 8. Exposure controls/ Personal

Respiratory protection : Required when dusts are generated. Filter P 2(acc.to  
DIN 3181) for solid and liquid particles of harmful substances.

Eye Protection : Required

Hand Protection : 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 : Immediately change contaminated clothing. Apply skin-protective barrier cream. Wash hands and face after working with substance.  
Avoid generation of dusts.

## 9. Physical and Chemical Properties

Form	:	Solid
Colour	:	Violet
Odour	:	Odourless
pH value at 20 g/l H <sub>2</sub> O(20° C)	:	~7 - 9
Melting temperature	:	50° C
Boiling temperature	:	Not available
Ignition temperature	:	Not available
Flash Point	:	23° C
Explosion limit lower	:	Not available
upper	:	Not available
Relative vapour density	:	Not available
Density (20° C)	:	2.70 gm/cm <sup>3</sup>



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Solubility in Water (20° C) : 64 gm/lit.  
Water (60° C) : 220 gm/lit.  
Thermal decomposition : >240° C

## 10. Stability and Reactivity

Condition to be avoided: none

Substances to be avoided : Organic substances, combustible substances, hydrogen Peroxide, hydroxylamine, N,N- dimethyl formamide, hydrogen fluoride, sulphur Ammonium compounds, alcohols/conc. sulphuric acid, glycerol, acids, phosphorous.

Hazardous decomposition products : None

Further information : Strong oxidizing agent. Danger of dust explosion.

## 11. Toxicological Information

Acute toxicity : LD<sub>50</sub> (oral, rat) : 1090 mg/kg.

Further toxicological information :

After inhalation of dust : Inhalation may lead to the formation of oedemas in the respiratory tract.

After skin contact : Burns

After eye contact : Burns. Risk of corneal clouding.

After swallowing : Nausea and vomiting.

Risk of perforation in the oesophagus and stomach.

## 12. Ecological information

Ecotoxic effects : Biological effects : Daphnia EC<sub>0</sub> : 0.63 mg/lit.

Further ecologic data : Bactericidal effect. Hazard for drinking water supplies.

Do not allow to enter waters, waste water, or soil!

## 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 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.

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.

