

CONTACT
0800 990 3258
enquiries@reagent.co.uk



ReAgent

SAFETY DATA SHEET POTASSIUM PERMANGANATE 0.1M (0.5N)

According to Regulation (EC) No 1907/2006

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME POTASSIUM PERMANGANATE 0.1M (0.5N)
 PRODUCT NO. 1075
 APPLICATION General chemical reagent
 SUPPLIER Reagent Chemical Services
 18 Aston Fields Road
 Whitehouse Industrial Estate
 Runcorn
 Cheshire WA7 3DL
 T: 01928 716903
 F: 01928 716425
 E: info@reagent.co.uk
 EMERGENCY TELEPHONE Emergency Telephone : +44 (0) 1928 716903 Between 08.30 - 17.00

2 HAZARDS IDENTIFICATION

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION R52/53.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
POTASSIUM PERMANGANATE	231-760-3	7722-64-7	1-5%	O;R8 Xn;R22 N;R50/53

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. In case of severe exposure or if any discomfort continues get medical attention.

INGESTION

Do not induce vomiting. Immediately rinse mouth and drink plenty of water. Get medical attention.

SKIN CONTACT

Remove contaminated clothing and wash before re - use. Wash the skin immediately with soap and water. In serious cases or if discomfort continues obtain medical attention.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

SPILL CLEAN UP METHODS

Small Spillages Absorb with inert, non-combustible material. Large Spillages Mix with damp sand, earth or other inert, non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Wash spillage site well with water and detergent, be aware of the potential for surfaces to become slippery. Wash thoroughly after dealing with a spillage.

7 HANDLING AND STORAGE

POTASSIUM PERMANGANATE 0.1M (0.5N)**USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact. Avoid inhalation of vapours and spray mists.

STORAGE PRECAUTIONS

Store in closed original container at temperatures between 15°C and 25°C. Store away from combustible materials. Store away from direct sunlight and moisture

STORAGE CLASS

Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
POTASSIUM PERMANGANATE	MEL		0.5 as Mn mg/m ³			
POTASSIUM PERMANGANATE 0.1M (0.5N)	WEL		0.5 mg/m ³			

WEL = Workplace Exposure Limit.

ENGINEERING MEASURES

If vapours or mists are generated, work in a fume cupboard.

RESPIRATORY EQUIPMENT

Wear suitable respiratory protection if vapours or mists are generated.

HAND PROTECTION

Wear protective gloves. Rubber or plastic

EYE PROTECTION

Wear safety glasses. If risk of splashing, wear safety goggles or face shield.

OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination. Provide eyewash station and if handling large amounts, a safety shower.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Dark purple.		
ODOUR	Odourless		
SOLUBILITY	Miscible with water.		
BOILING POINT (°C)	Approx. 100 760 mm Hg	MELTING POINT (°C)	Approx. 0
RELATIVE DENSITY	Approx. 1.01 20	pH-VALUE, CONC. SOLUTION	8

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions.

MATERIALS TO AVOID

Flammable/combustible material.

11 TOXICOLOGICAL INFORMATION**INHALATION**

May cause irritation to the respiratory system.

INGESTION

Gastrointestinal symptoms, including upset stomach.

SKIN CONTACT

Irritating to skin.

EYE CONTACT

Irritating to eyes.

POTASSIUM PERMANGANATE 0.1M (0.5N)**HEALTH WARNINGS**

Although not classified as hazardous, the product should be treated with the care and attention appropriate to chemicals.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment. Do not allow to enter drinking water, waste water or soil.

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

GENERAL	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
	No transport warning sign required.
MARINE POLLUTANT	No.

15 REGULATORY INFORMATION**RISK PHRASES**

R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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SAFETY PHRASES

S60	This material and its container must be disposed of as hazardous waste.
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STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. COSHH essentials: Easy steps to control chemicals. Control of Substances Hazardous to Health Regulations.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

NATIONAL REGULATIONS

Control of Substances Hazardous to Health Regulations 2002 (as amended)

16 OTHER INFORMATION**REVISION COMMENTS**

General rewrite Change to section 1

REVISION DATE	25/09/2008
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REV. NO./REPL. SDS GENERATED	1
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SDS NO.	10534
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SAFETY DATA SHEET STATUS

Approved.

RISK PHRASES IN FULL

R8	Contact with combustible material may cause fire.
R22	Harmful if swallowed.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.