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Material Safety Data Sheet

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**MATERIAL SAFETY DATA SHEET
POTASSIUM MANGANATE (VII) CP**

Sent to: Impact Test Equipment

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EUROLAB SUPPLIES LTD

UNIT 30

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1. IDENTIFICATION OF CHEMICAL**Chemical name:** POTASSIUM MANGANATE (VII) CP**CAS number:** 7722-64-7**EINECS number:** 231-760-3**Stock code:** CP6942

CH095

2. COMPOSITION**Composition:** 99%**3. HAZARD IDENTIFICATION****Main hazards:** Contact with combustible material may cause fire. Harmful if swallowed.**4. FIRST AID MEASURES****Skin contact:** In the case of skin contact, flood the splashed area with large quantities of running water.**Eye contact:** If the substance has entered the eyes, wash out with water or saline solution for at least 15 minutes.**Ingestion:** If the chemical has been confined to the mouth give large quantities of water as a mouth wash. Ensure that the mouth wash is not swallowed. If the chemical has been swallowed, give about 250ml of water to dilute it in the stomach. In severe cases obtain medical attention.**Inhalation:** Remove the casualty out of the danger area after first ensuring your own safety. Loosen the patient's clothing. If the casualty is unconscious, place in the recovery position and monitor breathing. Apply artificial respiration only if patient is not breathing. Seek medical attention when anyone has symptoms apparently due to swallowing or inhalation.

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5. FIRE FIGHTING MEASURES

Exposure hazards: Powerful oxidising agent. Spontaneously flammable in contact with certain materials.
Will promote combustion of most organic materials.

Suitable extinguisher: Use extinguishing media appropriate to the surrounding fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Personal protection: Wear eye protection and gloves and protective clothing.

Leaks & spills: Sweep up spilled substance but avoid making dust. Transfer to a closable salvage container for disposal by an appropriate method or retain for recovery.

Clean-up procedures: Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

Handling requirements: Wear eye protection and gloves. Wear a suitable dust mask if the situation demands.
Take off immediately all contaminated clothing.

Storage precautions: Store in a cool, dry, well ventilated area well away from heat or other sources of ignition.
Keep away from acids, combustible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection: Wear eye protection and gloves and protective clothing.

Type: ORL-RAT LD50

Toxicity: 1090 mg/kg

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical formula: $KMnO_4$

Appearance and odour: Purple black crystalline powder.

Solubility: Slightly soluble in cold water. More soluble in hot water.

Melting point/range°C: 240

10. STABILITY AND REACTIVITY

Avoid contact with: Acids and combustible materials. Keep away from heat and other sources of ignition.

11. TOXICOLOGICAL INFORMATION

Health effects: Skin: Irritating to the skin and can cause burns. Prolonged contact may cause dermatitis.
Harmful if absorbed through the skin. Symptoms may include headache, drowsiness and cyanosis.

Eyes: Irritating to eyes and can cause burns.

Inhalation: Harmful if inhaled. Inhalation may affect the nervous system and cause blood disorders. May cause kidney, liver and brain damage.

Ingestion: Harmful if swallowed. If swallowed there is immediate severe irritation and symptoms of

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damage to the central nervous system. May cause asthma like symptoms, skin eruptions and swelling of the mucous membranes in sensitive individuals. Prolonged absorption can cause liver and kidney damage.

12. ECOLOGICAL EFFECTS

Ecotoxicity: Toxic to aquatic organisms and fish. Harmful to mammalian wildlife.

Persistence: Data not available.

Appraisal: Data not available.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Large amounts are best dealt with by a Specialist Disposal Company.

14. TRANSPORT INFORMATION**IMDG code**

UN no: 1490

Packing group: II

Class: 5.1

ADR / RID

Subst.ID no: 1490

Class+Item no: 5.1,17(b)

IATA / ICAO

UN no: 1490

Index no: 025-002-00-9

15. REGULATORY INFORMATION

Classification: Oxidising-Harmful



Risk phrases: R8: Contact with combustible material may cause fire.

R22: Harmful if swallowed.

Safety phrases: S2: Keep out of reach of children.

16. ADDITIONAL INFORMATION

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

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These sheets were produced using the EcoSci software.

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