

Material Safety Data Sheet

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EURO LAB SUPPLIES LTD

MATERIAL SAFETY DATA SHEET POTASSIUM THIOCYANATE CP

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EUROLAB SUPPLIES LTD

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1. IDENTIFICATION OF CHEMICAL

Chemical name: POTASSIUM THIOCYANATE CP

CAS number: 333-20-0

EINECS number: 206-370-1

Stock code: CP7500 CH100

2. COMPOSITION

Composition: 97% MINIMUM

3. HAZARD IDENTIFICATION

Main hazards: Harmful by inhalation, in contact with skin and if swallowed. Contact with acids liberates very toxic gas.

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: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Material is not combustible. If involved in a fire it decomposes to emit toxic fumes of nitrogen and sulphur oxides and hydrogen cyanide.

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

6. ACCIDENTAL RELEASE MEASURES

Personal protection: Wear eye protection and gloves. Wear a suitable dust mask if the situation demands.

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 and protective clothing. Wear a suitable dust mask if the situation demands.

Storage precautions: Keep containers closed. Store in a cool dry area. Keep away from acids and oxidising agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection: Wear eye protection and gloves. Wear a suitable dust mask if the situation demands.

Type: ORL-RAT LD50

Toxicity: 854 mg/kg

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical formula: K S C N

Appearance and odour: Deliquescent colourless crystals.

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

Boiling point/range°C: 500

Melting point/range°C: 173

10. STABILITY AND REACTIVITY

Avoid contact with: Acids and oxidising agents.

11. TOXICOLOGICAL INFORMATION

Health effects: Skin: Harmful if absorbed through the skin. The liquid irritates and dregreases the skin. Contact with skin can cause dermatitis.

Eyes: The vapour and liquid is irritating to eyes.

Inhalation: Harmful if inhaled. High concentrations are extremely destructive to tissues of the mucous membranes and upper respiratory tract. Symptoms of exposure may include

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burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting. The vapour has narcotic effects and in high concentrations induces unconsciousness.

Ingestion: Harmful if swallowed. Ingestion may cause nausea, vomiting and symptoms of damage to the central nervous system. Ingestion of large amounts could cause kidney damage.

12. ECOLOGICAL EFFECTS

Ecotoxicity: Data not available.
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

ADR / RID

IATA / ICAO

15. REGULATORY INFORMATION

Classification: Harmful



Risk phrases: R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R32: Contact with acids liberates very toxic gas.

Safety phrases: S13: Keep away from food, drink and animal feeding stuffs.

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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