

ICN Biochemicals

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MSDS

Material Safety Data Sheet

General Properties

Product: Potassium Thiosulfate, Pentahydrate

Synonym: Potassium Hyposulfite; Thiosulfuric Acid, Dipotassium Salt

Catalog Number: 156344

Chemical Formula: $K_2S_2O_3 \cdot 5H_2O$

Physical Description: White Powder

Melting Point: > 400°C

Boiling Point: Not Available

Specific Gravity: Not Available

Vapor Pressure: Not Available

Solubility in Water: Soluble

Flash Point of the Substance: Not Available

Boiling Point of the Substance: Not available

Storage: Room Temperature

Remarks This compound is not listed in the Registry of Toxic effects of Chemical Substances (RTECS) or Sax
dangerous Properties of Industrial Materials, Seventh Edition.

ATC # 10294-66-3 **RTECS #** Not Available **UN #** Not Available

HMIS # NC

Dangerous Reactions

Flammability: No Unusual Hazard

Flash Point (method): Not Available

Minimum Ignition Temperature: Not Available

Risk of explosion? No Unusual Hazard

Decomposition of the substance when heated or burned: YES,

toxic fumes of SO_x and K_2O

Any Dangerous Reactions? Strong oxidizing agents, strong acids

Extinguishing Media: CO_2 , dry chemical, or foam

Toxicological Data

Mode(s) of Entry:

Inhalation: YES

Oral: YES

Absorption: YES

Health Hazards - Acute and Chronic: The toxicological properties of this compound have not been thoroughly investigated. Possibly toxic via oral, inhalation or absorption.

Signs and Symptoms of Exposure: Unknown. May include moderate to severe erythema (redness) and moderate edema (raised skin).

Safe Handling and Safe Use of Materials

Spill or Release of Material

Absorb the liquid in dry sand, diatomite, vermiculite or other drying agent then shovel into suitable containers for disposal.

Spills - Depending upon the situation neutralize with soda ash then use one of the following methods; pick up in an absorbent then shovel into suitable container for disposal, or flush away with a liberal amount of

ater.

Alkaline Spills - Depending upon the situation neutralize with NaHSO_4 and then use one of the following methods; soak up in an absorbent then shovel into suitable container for disposal, or flush away with a liberal amount of water.

] Other procedures: Sweep into suitable container for disposal.

Waste Disposal Method:

incinerate or landfill as complies with state and local laws.

Handling

Always wear gloves, mask, goggles or other protective clothing and use a hood. Follow proper laboratory procedures.

Personal Protection

Respiratory Protection: YES

Eye Protection: YES

Protective Gloves: YES

Is a local exhaust system required when the substance is used for its normal purpose? YES

First Aid Procedures

Substance in Contact with Skin

] Remove contaminated clothing and rinse with copious amounts of soap and water for a considerable amount of time

Produces severe caustic burns or general disorders, call a physician

] Call a physician

Not Hazardous

Substance has been Swallowed

Rinse mouth several times with water, do not swallow

] Drink 1 or 2 glasses of water within 15 minutes

Induce vomiting

In the case of imminent unconsciousness clear the respiratory tract and lay patient on side in a stable position

] Always Call a physician or take patient to hospital

Not Hazardous

Substance in Contact with Eyes

] Rinse liberally with water for a considerable amount of time

] Always call a physician or take to a hospital

Not Hazardous

Substance has been Inhaled

] Take patient into the fresh air and allow to rest

In the case of imminent unconsciousness clear the respiratory tract and lay patient on side in a stable position

] Always Call a physician or take patient to hospital

Additional Instructions:

Observe proper laboratory procedures when handling material.

date of Preparation: 10-6-95

The information provided with this MSDS is furnished in good faith and without warranty of any kind. Personnel handling this material must consider these data only as supplemental to other information gathered from other sources and must make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of the materials and the safety and health of employees and customers. ICN assumes no additional liability or responsibility resulting from the use of, or reliance on this information.

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