

MATERIAL SAFETY DATA SHEET

(Effective Date: April 2003)

PYROPHOSPHATE KIT PREPARED FOR BOTH RADIOACTIVE AND NON-RADIOACTIVE USE

1. PRODUCT IDENTIFICATION

Product Code: 4801

Chemical Formula: Not applicable to mixtures.

Formula CAS No.: Not applicable to mixtures.

Molecular Weight: Not applicable to mixtures.

Hazardous Ingredients: CAS# 7722-88-5 Sodium Pyrophosphate

2. PHYSICAL DATA

Appearance: Fine, white crystals in glass vials.

Radioactivity: Not applicable.

Concentration: No information found.

Specific Activity: Not applicable.

Odor: Odorless.

Solubility: Soluble in water.

Half-Life: Not applicable.

Boiling Point: 100 °C (Reconstituted)

Melting Point: 0 °C (Reconstituted)

Vapor Density (Air=1): No information found.

Evaporation Rate: No information found.

Vapor Pressure (mm Hg): No information found.

3. FIRE AND EXPLOSION HAZARD DATA

Fire: Substance is non-flammable.

Explosion: Not considered an explosion hazard.

Fire Extinguishing Media: Use water spray, dry chemical, CO₂ or foam as appropriate for the burning material.

Special Information: In the event of a fire, wear full protective clothing and a NIOSH approved self-contained breathing apparatus.

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4. HEALTH HAZARD DATA

A. Effects of Overexposure

Inhalation: Not considered an inhalation hazard.

Eye Contact: May cause mechanical irritation.

Ingestion: Not considered an ingestion hazard.

Skin Contact: Not considered an acute health hazard.

Chronic Exposure: Not expected to cause any chronic health effects.

Aggravation of Pre-existing Conditions: No information found.

B. First Aid Procedures

Inhalation: First aid not required.

Ingestion: First aid not required.

Skin Exposure: Rinse thoroughly with soap and water.

Eye Exposure: Rinse eyes a minimum of 15 minutes.

C. Toxicity Data

Sodium Pyrophosphate: Oral Rat LD₅₀ 4000 mg/kg.

5. REACTIVITY DATA

Stability: Stable under normal conditions.

Hazardous Decomposition Products: Thermal decomposition may produce CO₂, CO and corrosive fumes.

Hazardous Polymerization: Will not occur.

Incompatibilities: Oxidizing agents.

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6. SPILL OR LEAK PROCEDURES

If material is non-radioactive, collect and dispose as non-hazardous waste through an approved waste broker. If material is reconstituted, take appropriate precautions for radioactive material.

7. OCCUPATIONAL PROTECTION INFORMATION

Airborne Exposure Limits: Occupational: Not established for mixture.

Personal Respirators: (NIOSH Approved): Not required under normal circumstances.

Skin Protection: Disposable rubber, plastic or latex gloves; lab coat.

Ventilation System: Use with local exhaust.

Eye Protection: Safety goggles or safety glasses.

8. SPECIAL PRECAUTIONS

Read package insert prior to use.

CALIFORNIA PROPOSITION 65 INFORMATION

The State of California requires that customers and employees are provided with warnings about reproductive and carcinogenic hazards associated with substances sold in California. Under Proposition 65, the following statement applies:

This product does not contain a substance known to the State of California to cause reproductive toxicity.

MATERIAL SAFETY DATA SHEET STANDARD FORM DISCLAIMER

The above information is based upon data available to Amersham Health and is believed to be correct, but does not intend to be all inclusive and shall be used only as a guide. Since the information contained herein may be applied under conditions beyond the control of Amersham Health, no responsibility is assumed for the results of its use.

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