



# American International Chemical, Inc.

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## MATERIAL SAFETY DATA SHEET

### TETRASODIUM PYROPHOSPHATE

#### SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

American International Chemical, Inc. 135 Newbury Street Framingham, MA 01701	Emergency Number: Chemtrec Information Number:	800-424-9300 703-527-3887 800-238-0001
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Revision Date: August 2007

Synonyms: Sodium Pyrophosphate, Tetrasodium Diphosphate, TSPP

CAS #: 7722-88-5

DOT Hazard Class: Not Regulated

#### SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Tetrasodium Pyrophosphate 99% min.	OSHA ACGIH	PEL-TWA TLV-TWA	5mg/cum 5mg/cum
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#### SECTION 3 - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** White powder or granules. Airborne dust is irritating to the nose and throat. Product is non-combustible.

**POTENTIAL HEALTH EFFECTS:**

**Skin:** Continuous contact with skin will cause irritation.

**Eyes:** Could cause severe irritation.

**Inhalation:** Will cause irritation to the respiratory system.

**Ingestion:** Can cause stomach discomfort.

Target Organs: Eyes and respiratory passages.

CARCINOGENICITY: Not listed under OSHA, IARC, or NTP.

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#### **SECTION 4 - FIRST AID MEASURES**

**Eyes:** Flush with water for at least 15 minutes lifting the upper and lower eyelids occasionally.

**Skin:** Wash with plenty of soap and water.

**Inhalation:** Remove to fresh air.

**Ingestion:** Rinse mouth with water, give water to cause dilution in stomach.

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#### **SECTION 5 - FIRE FIGHTING MEASURES**

Flash Point: Not Applicable

Flammable Limits: Not applicable

Extinguishing Media: Use media that is appropriate to treat surrounding fire. Product is non-combustible.

Special Fire Fighting Procedures:

Use fire fighting procedure that is appropriate to treat surrounding fire.

Unusual Fire Explosion Hazard: None Known

Auto Ignition Temperature: Not Applicable

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#### **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Isolate hazard area and deny entry to unnecessary or unprotected personnel.

Contain spill, sweep up, collect and place in a disposal container.

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#### **SECTION 7 - HANDLING AND STORAGE**

Avoid contact with skin, eyes and clothing. Avoid breathing dust. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials.

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#### **SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

RESPIRATORY PROTECTION: If dusty, use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate dust from the work area.

SKIN AND EYE PROTECTION: Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin from dust.

WORK, HYGIENIC PRACTICES:

As required to protect skin and eyes from dust, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE GUIDELINES: OSHA PEL-TWA 5 mg/cum  
ACGIH TLU-TWA 5 mg/cum

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#### **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: Over 1000°C

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H2O=1): >1

Percent Volatile by Volume (%): Not Applicable

Melting Point: 988°C

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Moderate - 7%

pH: as a 1% solution - 10

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**SECTION 10 - STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: None Known

KEEP AWAY FROM: None Known

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**SECTION 11 - TOXICOLOGICAL INFORMATION**

LD<sub>50</sub> RAT - 49 Kg Source RTECS

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**SECTION 12 - ECOLOGICAL INFORMATION**

Not available

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**SECTION 13 - DISPOSAL CONSIDERATIONS**

May be disposed in sanitary landfill in accordance with all federal, state and local regulations.

RCRA WASTE #: Not Listed

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**SECTION 14 - TRANSPORTATION INFORMATION**

D.O.T. SHIPPING NAME:.....Tetrasodium Pyrophosphate Not Regulated

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**SECTION 15 - REGULATORY INFORMATION**

TSCA (TOXIC SUBSTANCE CONTROL ACT): This product is listed on the TSCA Inventory.

CERCLA REPORTABLE REQUIREMENTS: (RQ) None

SARA TITLE III INFORMATION:

Section 302 Extremely hazardous Substance: Unlisted

Section 313 Toxic Chemicals: Unlisted

Section 311/312 Hazard Category: (acute) Health Hazard

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**SECTION 16 - OTHER INFORMATION**

<b>NFPA RATING</b>	<b>0 = No Hazard</b>	<b>4 = Severe Hazard</b>
<b>Health</b>	<b>1</b>	
<b>Flammability</b>	<b>0</b>	
<b>Reactivity</b>	<b>0</b>	

Reason for Issue: Changed Date

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