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**MATERIAL SAFETY DATA SHEET (MSDS)****TETRA-SODIUM PYROPHOSPHATE LR (ANHYDROUS)****1 - Chemical Product**

Product Name:Tetra-Sodium Pyrophosphate Anhydrous  
Synonym:None

Cas NO:7722-88-5

Product Coad: S0197500500

Molecular Formula: Na<sub>4</sub>P<sub>2</sub>O<sub>7</sub>  
Molecular Weight: 265.9026

**2 - COMPOSITION, INFORMATION ON INGREDIENTS**

CAS#	Chemical Name	content	EINECS#
7722-88-5	Tetrasodium pyrophosphate	100.0	231-767-1

**3 - HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

Not available.

Potential Health EffectsEye:

Causes eye irritation.

Skin:Causes skin irritation.

Ingestion:Causes gastrointestinal irritation with nausea, vomiting and diarrhea.

Inhalation:Causes respiratory tract irritation.

Chronic:No information found.

**4 - FIRST AID MEASURES**

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation:Remove from exposure and move to fresh air immediately. Get medical aid.

Notes to Physician:

**5 - FIRE FIGHTING MEASURES**

General Information:As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

**6 - ACCIDENTAL RELEASE MEASURES**

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

**7 - HANDLING and STORAGE**

Handling:Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Storage:Store in a cool, dry place. Keep container closed when not in use.

**8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

Engineering Controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.Exposure Limits CAS# 7722-

88-5: United Kingdom, WEL - TWA: 5 mg/m<sup>3</sup> TWA United Kingdom, WEL - STEL: 15 mg/m<sup>3</sup> STEL Belgium - TWA: 5 mg/m<sup>3</sup> VLE France - VME: 5

mg/m<sup>3</sup> VME Germany: 5 mg/m<sup>3</sup> TWA (inhalable fraction) Malaysia: 5 mg/m<sup>3</sup> TWA Spain: 5 mg/m<sup>3</sup> VLA-ED Personal Protective Equipment Eyes: Wear safety glasses and chemical goggles if splashing is possible.

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Skin:Wear appropriate protective gloves and clothing to prevent skin exposure.

Clothing:Wear appropriate protective clothing to minimize contact with skin.

Respirators:Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

**9 - PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Solid  
Color: white  
Odor: Not available.  
pH: Not available.  
Vapor Pressure: Not available.  
Viscosity: Not available.  
Boiling Point: Not available.  
Freezing/Melting Point: 988 deg C  
Autoignition Temperature: Not available.  
Flash Point: Not available.  
Explosion Limits, lower: Not available.  
Explosion Limits, upper: Not available.  
Decomposition Temperature:  
Solubility in water: Soluble in water.  
Specific Gravity/Density:

**10 - STABILITY AND REACTIVITY**

Chemical Stability:Stable under normal temperatures and pressures.  
Conditions to Avoid:None reported.  
Incompatibilities with Other Materials:None reported.  
Hazardous Decomposition Products:None, carbon monoxide, carbon dioxide, toxic fumes of sodium oxide.  
Hazardous Polymerization: Will not occur.

**11 - TOXICOLOGICAL INFORMATION**

RTECS#:  
CAS# 7722-88-5: UX7350000 LD50/LC50:  
CAS# 7722-88-5: Oral, mouse: LD50 = 2980 mg/kg; Oral, rat: LD50 = 4 gm/kg.  
Carcinogenicity:  
Tetrasodium pyrophosphate - Not listed by ACGIH, IARC, or NTP.  
Other:  
See actual entry in RTECS for complete information.

**12 - ECOLOGICAL INFORMATION****13 - DISPOSAL CONSIDERATIONS**

Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.

**14 - TRANSPORT INFORMATION**

IATA  
Not regulated as a hazardous material.  
IMO  
Not regulated as a hazardous material.  
RID/ADR  
Not regulated as a hazardous material.

**15 - REGULATORY INFORMATION**

European/International Regulations  
European Labeling in Accordance with EC Directives  
Hazard Symbols: Not available.

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**MATERIAL SAFETY DATA SHEET (MSDS)****TETRA-SODIUM PYROPHOSPHATE LR (ANHYDROUS)**

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 7722-88-5: 1

Canada

CAS# 7722-88-5 is listed on Canada's DSL List.

CAS# 7722-88-5 is listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 7722-88-5 is listed on the TSCA inventory.

**16. Other Information**

**Product Use:** Laboratory Reagent.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

**DISCLAIMER:**

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

**End of document**