



EPOCH MASTER GLOBAL BUSINESS(JIANGSU)INC.

RM.3-93,TENGFEI BUILDING,NO.88 JIANGMIAO RD., RESEARCH AND INNOVATION PARK,

NANJING ZONE,(JIANGSU) PILOT FREE TRADE ZONE ,CHINA

Sodium PyroPhosphate (SPP)

DATE OF ISSUE: 2015-01- 19

Section 1 - Chemical Product and Company Identification

MSDS Name: Sodium Pyrophosphate

Synonym: Tetrasodium pyrophosphate

CAS No. : 7722-88-5

Chemical formula: Na₄P₂O₇

Company Identification: EPOCH MASTER GLOBAL BUSINESS(JIANGSU)INC.

Address: RM.3-93,TENGFEI BUILDING,NO.88 JIANGMIAO RD., RESEARCH AND INNOVATION PARK,
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Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
7722-88-5	Sodium Pyrophosphate	99- 100

Toxicological data on ingredients: sodium pyrophosphate: Oral (LD50): Acute: 4000 mg/kg (Rat),
2980 mg/kg[Mouse]

Section 3 - Hazards Identification

Potential Acute Health Effects:

Very hazardous in case of skin contact (irritant), of eye contact (irritant). Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (corrosive). Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

Repeated or prolonged exposure is not known to aggravate medical condition.



Section 4 - First Aid Measures

Eye Contact: Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention. **Skin Contact:** After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.

Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation: Not available.

Ingestion: Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5 - Fire Fighting Measures

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:

-Risks of explosion of the product in presence of mechanical impact: Not available.

-Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6 - Accidental Release Measures



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Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7 - Handling and Storage

Precautions:

Keep container dry. Do not ingest. Do not breathe dust. Never add water to this product In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes

Storage:

No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: TWA: 5(mg/m³) from ACGIH consult local authorities for acceptable exposure limits.

Section 9 - Physical and Chemical Properties

Physical State: solid (solid crystalline powder)

Appearance: white powder



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Odor: odorless

pH: 10 (basic)

Vapor Pressure: Not available.

Vapor Density: Not available.

Evaporation Rate: Not available.

Boiling Point: Not available

Freezing/Melting Point: not applicable

Autoignition Temperature: Not available.

Melting Point: 94 C.Degree

Decomposition Temperature: Not available.

Explosion Limits, Lower: Not available.

Upper: Not available.

Solubility: Easily soluble in hot water. Soluble in cold water. Insoluble in methanol, diethyl ether, n-octanol. **Molecular Formula:** Na₄P₂O₇

Molecular Weight: 265.9

Section 10 - Stability and Reactivity

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Highly reactive with acids. Reactive with metals. Slightly reactive to reactive with oxidizing agents, reducing agents, organic materials, moisture.

Corrosivity: Corrosive in presence of aluminum, of zinc, of copper. Slightly corrosive to corrosive in presence of steel. Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No

Section 11 - Toxicological Information

Routes of Entry: Eye contact. Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 2980 mg/kg [Mouse].

Chronic Effects on Humans: The substance is toxic to blood, lungs.



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Other Toxic Effects on Humans: Very hazardous in case of skin contact (irritant). Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (corrosive).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Material is irritating to mucous membranes and upper respiratory tract.

Section 12 - Ecological Information

BOD5 and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available

Section 13 - Disposal Considerations

Waste Disposal: waste should be disposed of according to local regulations. Containers should not be reused. Containers should be disposed of in accordance with government regulations

Section 14 - Transport Information

D.O.T. Proper shipping name: Sodium Pyrophosphate

UN Number: None

Hazard Class: None

Packing group: None

Section 15 - Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: Sodium pyrophosphate

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.

1200). **Other Classifications:**

WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (TOXIC)



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DSCL (EEC):

R38- Irritating to skin. R41- Risk of serious damage to eyes. R43- May cause sensitization by skin contact.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 1

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 0

Reactivity: 1

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16 - Additional Information

MSDS Creation Date: 22/08/2013

Disclaimer:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.