

Material Safety Data Sheet

SODIUM ACID PYROPHOSPHATE

*TNN will make your life better*

Section 1 – Chemical Product and Company Identification

1.1 Chemical Name: Sodium Acid Pyrophosphate

CAS#: 7758-16-9

MF:Na₂H₂P₂O₇

Synonyms: Disodium Pyrophosphate

1.2 Supplier Info.:

Company Name: The TNN Development Limited

Address: Rm 2901 Rainbow Bldg, No.23 Renmin RD.Dalian,China 116001

Telephone: +86-411-82597002

Fax : +86-411-82561417

Emergency Tel: +86-411-82597002

Section 2– Composition / Information on Ingredients

2.1 Component Information

CAS#	Component	Percent
7758-16-9	Sodium acid pyrophosphate	98-100%

Section 3– Hazards Identification

3.1 Emergency Overview

White crystalline or powder solid, odorless.

3.2 Hazard Statements

Warning!! causes skin and eye irritation. may cause respiratory tract irritation..

3.3 Potential Health Effects: Eyes

Irritant. Can cause redness, irritation, tissue destruction, on prolonged contact.

3.4 Potential Health Effects: Skin

Low acute dermal toxicity. Slightly irritating. May cause redness, irritation

3.5 Potential Health Effects: Inhalation

Low acute inhalation toxicity. Dusts may cause upper respiratory tract irritation.

3.6 Potential Health Effects: Ingestion

Low acute oral toxicity. May cause nausea, vomiting, diarrhea

MSDS Sodium Acid Pyrophosphate

Material Safety Data Sheet

SODIUM ACID PYROPHOSPHATE



3.7 Chronic Effects:

This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

Section 4– First Aid Measures

4.1 First Aid: Eyes

Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention if irritation develops or persists or if visual changes occur.

4.2 First Aid: Skin

In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.

4.3 First Aid: Ingestion

If victim is conscious and alert, give 2-3 glasses of water to drink and induce vomiting by touching back of throat with a finger. Do not induce vomiting or give anything by mouth to an unconscious person. Seek immediate medical attention. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

4.4 First Aid: Inhalation

If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

Section 5– Fire Fighting Measure

Flash Point: Not applicable

Extinguishing Media:Not combustible. Use extinguishing method suitable for surrounding fire.

Special Fire Fighting Procedures:

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

Unusual Fire and Explosion Hazards:

Not combustible. Like all organic and most dry chemicals, as a powder or dust, this product (when mixed with air in critical proportions and in the presence of an ignition source) may present an explosion hazard.

Hazardous Combustion Products

oxides of phosphorus

MSDS Sodium Acid Pyrophosphate

Material Safety Data Sheet

SODIUM ACID PYROPHOSPHATE

*TNN will make your life better*

Section 6 – Accidental Release Measures

6.1 Evacuation Procedures and Safety:

Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

6.2 Containment of Spill:

Dike or retain dilution water or water from firefighting for later disposal. Follow procedure described below under Cleanup and Disposal of Spill.

6.3 Cleanup and Disposal of Spill:

Sweep or vacuum up and place in an appropriate closed container (see Section 7: Handling and Storage). Avoid creation of dusty conditions. Clean up residual material by washing area with water and detergent. Decontaminate tools and equipment following cleanup.

6.4 Environmental and Regulatory Reporting:

Do not flush to drain. Runoff from fire control or dilution water may cause pollution. Prevent material from entering public sewer system or any waterways. Large spills should be handled according to a predetermined plan. For assistance in developing a plan contact the Technical Service Department using the Product Information phone number in Section 1.

Section 7 – Handling and Storage

7.1 Handling Procedures

Avoid breathing dusts. Avoid direct or prolonged contact with skin and eyes.

7.2 Storage Procedure

This product is a food ingredient. Store in tightly closed containers. Store in an area that is cool, dry, away from ignition sources, away from incompatible materials (see Section 10. Stability and Reactivity), isolated from all toxic and harmful substances, This product is hygroscopic and tends to cake on storage.

Section 8 – Exposure Controls / Personal Protection

8.1 Exposure Guidelines

Exposure limits represent regulated or recommended worker breathing zone concentrations measured by validated sampling and analytical methods, meeting the regulatory requirements. The following limits apply to this material, where, if indicated, S=skin and C=ceiling limit

8.2 Engineering Controls

Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: general area dilution/exhaust ventilation

8.3 Personal Protective Equipment: Eyes / Face

Wear a minimum of safety glasses with side shields when working in industrial environments.

MSDS Sodium Acid Pyrophosphate

Material Safety Data Sheet

SODIUM ACID PYROPHOSPHATE



8.4 Personal Protective Equipment: Skin

Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and

8.5 Personal Protective Equipment: Respiratory

When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential

Section 9 – Physical & Chemical Properties

9.1 Physical & Chemical Properties

Appearance: white crystalline or powder solid.

pH: 3.8 to 4.5 at 1 wt/wt%

Specific Gravity: Not Available

Density: 0.61 g/ml at 25 C (77 F).

Vapor Pressure: Not Available

Vapor Density: Not Available

Odor : odorless.

Water Solubility: soluble

Melting Point Range: > 900 C (1652 F)

Boiling Point Range: Not Available

Molecular Weight: 222.15

9.2 Physical Properties: Additional Information

Contact the area using the Product Information phone number in Section 1 for its exact specifications.

Section 10 - Chemical Stability & Reactivity Information

10.1 Chemical Stability

This material is stable under normal handling and storage conditions described in Section 7. Conditions To Be Avoided: dusting conditions heat open flame spark static electricity

10.2 Chemical Stability: Conditions to Avoid

Dusting conditions heat open flame spark static electricity

10.3 Incompatibility

Strong bases strong oxidizing agents

10.4 Hazardous Decomposition

Decomposition Temperature Range: 220 C (428 F),thermal oxides of phosphorus

10.5 Hazardous Polymerization

Hazardous polymerization will not occur.

Section 11 – Toxicological Information

11.1 Acute Eye Irritation:

Toxicological Information and Interpretation:

Eye irritation, rabbit. Severely irritating. Unwashed. Mildly irritating. Washed.

11.2 Acute Skin Irritation:

Skin irritation, rabbit. Moderately irritating. (At 24 hours.).

MSDS Sodium Acid Pyrophosphate

Material Safety Data Sheet

SODIUM ACID PYROPHOSPHATE

*TNN will make your life better*

11.3 Acute Dermal Toxicity:

Toxicological Information and Interpretation:

LD50 - lethal dose 50% of test species, > 300 mg/kg, rabbit.

LD50 - lethal dose 50% of test species, > 7940 mg/kg, rabbit.

11.4 Acute Respiratory Irritation:

No test data found for product.

11.5 Acute Inhalation Toxicity:

No test data found for product.

11.6 Acute Oral Toxicity: Toxicological Information and Interpretation:

LD50 - lethal dose 50% of test species, 2650 mg/kg, mouse.

11.7 Chronic Toxicity:

This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens.

No additional test data found for product.

Section 12 – Ecological Information

12.1 Ecotoxicity

No data available for this product.

12.2 Environmental Fate

No data available for this product.

Section 13 – Disposal Considerations

13.1 Waste Disposal Method:

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

EPA Hazardous Waste – NO

Section 14 – Transportation Information

14.1 US DOT Information

Shipping Name: Not regulated **Hazard Class:** Not regulated **UN/NA#:** None

Packing Group: None **Required Label (s):** None **Additional Info.:** None

MSDS Sodium Acid Pyrophosphate

Material Safety Data Sheet

SODIUM ACID PYROPHOSPHATE



TNN will make your life better

14.2 Regulatory Information

Not regulated as dangerous goods.

Section 16 – Other Information

16.1 Other Information

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

MSDS

Sodium Acid Pyrophosphate