

# Material Safety Data Sheet

## Provided by:

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## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name**        SODIUM ACID PYROPHOSPHATE  
**Synonyms**            DISODIUM DIHYDROGEN PYROPHOSPHATE ACID  
**Chemical Name**      SODIUM ACID PYROPHOSPHATE  
**Emergency phone:**    281-457-4888  
**Chemtrec:**            800-424-9300

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**Reviewed Date:**      N/A  
**Revision date:**       N/A

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	PERCENT	CAS NO.
SODIUM ACID PYROPHOSPHATE	> 90%	7758-16-9

## SECTION 3 - HAZARDS IDENTIFICATION

### Potential Health Effects

**ACGIH - TLV:**        NOT ESTABLISHED  
**Eye Contact**        CAN CAUSE SEVERE EYE IRRITATION.  
**Skin Contact**        SUBSTANCE MAY CAUSE SLIGHT SKIN IRRITATION.  
**Ingestion**            MAY CAUSE DIGESTIVE TRACT IRRITATION.  
**Inhalation**            DUST MAY BE IRRITATING TO RESPIRATORY TRACT.  
**Carcinogenicity:**    *NTP* NO    *IARC* NO    *OSHA* NO

## SECTION 4 - FIRST AID PROCEDURES

**Eye Contact:**        IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.  
**Skin Contact:**        IMMEDIATELY REMOVE CONTAMINATED CLOTHING OR SHOES, WIPE EXCESS FROM SKIN AND FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. USE SOAP IF AVAILABLE OR FOLLOW BY WASHING WITH SOAP AND WATER. DO NOT REUSE CLOTHING UNTIL THOROUGHLY CLEANED. GET MEDICAL ATTENTION.  
**Inhalation:**        REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.  
**Ingestion:**        DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER OR MILK AND GET IMMEDIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON!

## SECTION 5 - FIRE FIGHTING MEASURES

**Flash Point (°F)**        NONFLAMMABLE.  
**Extinguishing Media**    USE MEDIA APPROPRIATE FOR SURROUNDING AREA.

**Special Firefighting  
Procedures/Precuations**

WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. STAY UPWIND AND KEEP OUT OF LOW AREAS.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**For Spill:** SWEEP UP OR VACUUM AND PLACE IN CONTAINER FOR DISPOSAL.

**SECTION 7 - HANDLING AND STORAGE**

Keep container tightly closed when not in use. Store in a cool, dry, well-ventilated area, away from heat and incompatible materials. Protect containers from physical damage.

AVOID GENERATING DUST.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

- Respiratory Protection** USE A NIOSH/MSHA APPROVED RESPIRATOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS.
- Ventilation** LOCAL AND MECHANICAL RECOMMENDED.
- Protective Gloves** CHEMICAL IMPERVIOUS GLOVES.
- Eye/Face Protection** CHEMICAL SAFETY GOGGLES AND/OR FULL-FACE SHIELD.
- Other Protection** CHEMICAL RESISTANT CLOTHING SUCH AS COVERALLS/APRON, BOOTS, ETC.
- Work Practices** USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. PROMPTLY REMOVE SOILED CLOTHING AND WASH THOROUGHLY BEFORE REUSE. SHOWER AFTER WORK USING PLENTY OF SOAP AND WATER.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Boiling Point (°F):</b>	NOT APPLICABLE	<b>Vapor Pressure (mmHg):</b>	NONVOLATILE
<b>Freezing Point (°F):</b>	NOT APPLICABLE	<b>Vapor Density (Air=1):</b>	NONVOLATILE
<b>Solubility (H2O):</b>	NOT ESTABLISHED.	<b>Specific Gravity (H2O=1):</b>	BULK DENSITY 1 g/L
<b>pH</b>	4.3	<b>Evaporation Rate:</b>	NONVOLATILE
<b>Appearance/Odor:</b>	WHITE POWDER OR GRANULES WITH NO APPRECIABLE ODOR.		

**SECTION 10 - STABILITY AND REACTIVITY**

- Chemical Stability:** YES
- Incompatible Material:** NONE KNOWN.
- Hazardous Polymerization:** WILL NOT OCCUR.
- Decomposition Products:** NOT APPLICABLE

**SECTION 11 - TOXICITY INFORMATION**

LD50 SKIN (rabbit) = > 300 mg/kg LD50 ORAL (rat) = 1.8 g/kg

**SECTION 12 - ECOLOGICAL INFORMATION**

AQUATIC TOXICITY: LC50 = > 100 MG/L/96HR/RAINBOW TROUT EC50 = > 100 MG/L/48HR/DAPHNIA MAGNA

**SECTION 13 - DISPOSAL CONSIDERATIONS**

DO NOT DISCHARGE INTO WATERWAYS OR SEWER SYSTEMS WITHOUT PRIOR APPROVAL.  
DISPOSE OF WASTE MATERIALS ACCORDING TO ALL FEDERAL, STATE AND LOCAL REGULATIONS.

**SECTION 14 - TRANSPORT INFORMATION**

**USA DOT Shipping Name:** NOT REGULATED.

**Hazard Class:**

**UN/NA Number:**

**Packing Group:**

**Subsidiary Hazard:**

**Marine Pollutant:** NO

**SECTION 15 - REGULATORY INFORMATION**

**CERCLA RQ (lbs):** NOT APPLICABLE

**SARA Title III Section 312:**

**Acute**     **Chronic**     **Flammable**     **Sudden Release of Pressure**     **Reactive**

**SARA Title III Section 313:** No

**SARA Extremely Hazardous Substance:** No

**HMIS HAZARD RATING**

**Health:** 1                      **Fire:** 0                      **Reactivity:** 0

0 - Least    1 - Slight    2 - Moderate    3 - High    4 - Extreme

**SECTION 16 - OTHER INFORMATION**

**EPA Pesticide Registration Number:** NOT APPLICABLE

**NSF Maximum Use Level for Potable Water (Standard 60):** NOT APPLICABLE

**TSCA (Toxic Substance Control Act), 40 CFR 710:**

Sources of the raw materials used in this mixture assure that all chemical ingredients present are in compliance with Section 8(b) Chemical Substance Inventory, or are otherwise in compliance with TSCA.

**DISCLAIMER**

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