

MSDS
(SAPP)

SODIUM ACID PYROPHOSPHATE

PRODUCT INFORMATION

CHEMICAL NAME: Sodium Acid Pyrophosphate

SYNONYM(S):

B.P. Pyro; Donut Pyro; Perfection; Sapp #4; Taterfos; Victor Cream; disodium pyrophosphate; disodium diphosphate; disodium dihydrogen phosphate.

CHEMICAL FAMILY: Phosphates

MOLECULAR FORMULA: Na₂H₂P₂O₇

SHIPPING NAME: Sodium Acid Pyrophosphate

PIN - (UN/NA): Not controlled

WHMIS: Not controlled

PRODUCT USE:

Electroplating; metal cleaning and phosphatizing; drilling muds; baking powders and leavening agent; buffer; sequestrant; peptizing agent in cheese and meat products; frozen deserts.

MANUFACTURER: Rhodia Canada Inc.

3265 Wolfedale Road, Mississauga, Ont. L5K 2C9
Phone:905.270.5534

SUPPLIER:

Panther Industries Inc.
Box 698
Davidson, Sask. S0G 1A0

EMERGENCY TELEPHONE NUMBER: (306)567-2814

INGREDIENTS

INGREDIENTS:	WEIGHT %	C.A.S. REGISTRY #
Sodium Acid Pyrophosphate	100	7758-16-9

PHYSICAL DATA

PHYSICAL STATE: Solid

ODOUR AND APPEARANCE: White crystalline powder, odourless.

ODOUR THRESHOLD: Not applicable

VAPOUR PRESSURE: Not applicable

VAPOUR DENSITY: Not applicable

EVAPORATION RATE: Not applicable

pH: 3.8 to 4.5 @ 1wt/wt%

BOILING POINT: Not applicable

MELTING POINT: Decomposes @ 220°C

SOLUBILITY IN WATER: @ 25°C 13g/100g water

MOLECULAR WEIGHT: 222.15

SPECIFIC GRAVITY: 1.862

% VOLATILE BY VOLUME: Not available **BULK DENSITY:** approx. 1100 kg/m³

COEFFICIENT OF WATER/OIL DISTRIBUTION: Not available

FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY: Non-flammable

MEANS OF EXTINGUISHING:

Not combustible. Use appropriate extinguishing media for material that is supplying fuel.

FLASH POINT: Noncombustible

UPPER FLAMMABLE LIMIT: Not applicable

LOWER FLAMMABLE LIMIT: Not applicable

AUTO IGNITION TEMPERATURE: Not applicable

HAZARDOUS COMBUSTION PRODUCTS: Oxides of phosphorous

SPECIAL FIRE FIGHTING PROCEDURES:

Wear a NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Dike area to prevent runoff and contamination of water sources.

EXPLOSION HAZARDS: None

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REACTIVITY DATA

STABILITY: Stable at ambient temperatures and atmospheric pressure.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY: Alkalies

HAZARDOUS REACTIONS/DECOMPOSITIONS: Oxides and acids of Phosphorous

CONDITIONS TO AVOID: None

HEALTH HAZARD DATA

INHALATION:

Dusts may be irritating to the nose, throat, and respiratory tract.

SKIN CONTACT: Causes skin irritation.

EYE CONTACT: Causes eye irritation.

INGESTION:

May be harmful by swallowing. Large doses may cause nausea, vomiting, and diarrhea. Systemic oral toxicity is extremely rare and has consisted of acidosis and hypocalcemic tetany.

CHRONIC EXPOSURE EFFECTS: Not information available.

EXISTING MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE:

Skin irritation may be aggravated in persons with existing skin lesions. Breathing of dust may aggravate acute or chronic asthma and other chronic pulmonary disease.

EXPOSURE LIMITS: No exposure limits have been established for this product. However, the following limits may apply. (nuisance dust)

ACGIH (TWA) = 10 mg/m³ total dust

OSHA (TWA) = 15 mg/m³ total dust, 5 mg/m³ respirable dust

IRRITANCY: Mildly acidic.

MUTAGENICITY: Not available

CARCINOGENICITY:

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

SENSITIZATION TO PRODUCT: Not reported as a sensitizer.

REPRODUCTIVE TOXICITY: Not available

TOXICOLOGICALLY SYNERGISTIC MATERIALS: No reported effects

TERATOGENICITY DATA: No reported effects

ANIMAL TOXICITY DATA: Oral LD50 (mouse): 2650 mg/kg
Skin effects(rabbits): Moderate irritant (24 hrs.)
Eye effects(rabbits): Extremely irritating
(unwashed eye).
Mildly irritating(washed eye)

FIRST AID MEASURES

INHALATION:

Remove victim to fresh air. If not breathing administer cardiopulmonary resuscitation or artificial respiration. If breathing difficult or irritation develops, administer oxygen. Get medical attention if respiratory irritation occurs or if breathing becomes difficult.

SKIN CONTACT:

Flush all affected area with plenty of water for at least 15 minutes. Remove and wash any contaminated clothing and shoes. Get medical attention if skin irritation occurs.

FIRST AID MEASURES - continued

EYE CONTACT:

In case of contact, immediately flush with plenty of water for at least 15 minutes using an eyewash fountain if available. Lift upper and lower lids and rinse well under them. Get medical attention, preferably an ophthalmologist if irritation occurs.

INGESTION:

If victim is conscious and alert, give two or more glasses of water or milk to drink. If available, give one tablespoon of Syrup of Ipecac to induce vomiting. If vomiting has not occurred in 20 minutes, the same amount of Syrup of Ipecac may be repeated one additional time. Alternatively, induce vomiting by touching the back of the throat with a finger. Do not make an unconscious or convulsing person vomit. Get medical attention.

NOTES TO PHYSICIANS:

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Systemic oral toxicity is unusual. If a large quantity is ingested, test for hypocalcemia and treat with 10 ml. of 10% calcium gluconate by slow intravenous infusion, if necessary. Ingestion of large amounts may rarely result in metabolic acidosis which may require treatment with parenteral sodium bicarbonate.

PREVENTATIVE MEASURES

RESPIRATORY PROTECTION:

If use conditions generate airborne dust, handle material in an open or well-ventilated area. Where adequate ventilation is not available, use a NIOSH/MSHA approved respirator for dust. Use positive pressure supplied air or self-contained breathing apparatus for emergency conditions where a higher level of protection is required.

SKIN PROTECTION: Work clothing. Chemical resistant gloves and boots.

EYE/FACE PROTECTION: Safety glasses with side shields.

SPECIAL HANDLING PROCEDURES:

Do not ingest. Avoid contact with skin and eyes. Avoid exposure by inhalation.

STORAGE REQUIREMENTS:

Should be stored in a cool, dry place in tightly closed containers.

ENGINEERING CONTROLS:

Provide adequate ventilation. Use local exhaust as needed to maintain airborne exposure below control limits.

SPECIAL SHIPPING REQUIREMENTS: None

OTHER PRECAUTIONS:

Maintain a sink, safety shower, and eyewash fountain in the work area. Have oxygen readily available.

ENVIRONMENTAL PROTECTION DATA

STEPS IN THE EVENT OF A LEAK OR SPILL:

Persons involved in clean-up should wear appropriate protective equipment. Small spills can be handled routinely. To the extent possible, clean up spillage using shovels, sweeping, or vacuuming. Avoid dust generation. Place in appropriate containers for disposal. Wash area with a solution of household detergent. Do not flush material to a public sewer system or any waterways. Ensure adequate decontamination of tools and equipment following cleanup.

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ENVIRONMENTAL PROTECTION DATA - continued

ENVIRONMENTAL EFFECTS: Not available

DEACTIVATING CHEMICALS: Not available

WASTE DISPOSAL METHODS:

Dispose of in accordance with Local, Provincial, and Federal regulation.

PREPARATION INFORMATION

MSDS PREPARED BY: Technical Department
Panther Industries Inc.

TELEPHONE NUMBER: (306) 567-2814

DATE PREPARED/REVISED: July 11 2012

DATE PRINTED: July 11 2012

REFERENCES: 1.Manufacturer's MSDS.