

BE-LONG CORPORATION

P.O.Box 139. Gulou Post office, Nanjing 210008, China

Tel : ++86-25-84712602 Fax: ++86-25-84709922

<http://www.be-longgroup.com>

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Sodium Acid Pyrophosphate

1. Product Identification and company identification

1.1. Identification of the substance or preparation

Product name : [Sodium Acid Pyrophosphate](#)

Product grade(s) : Food Grade

Chemical Name : Sodium Acid Pyrophosphate

Synonyms : Disodium (hydroxy-oxidophosphoryl) hydrogen phosphate, Disodium diphosphate, SAPP

Sodium acid pyrophosphate

Molecular formula : $\text{Na}_2\text{H}_2\text{P}_2\text{O}_7$

Molecular Weight : 221.94 g/mol

1.2. Company/Undertaking Identification

Address : P.O.Box. 139 Gulou Post Office

Nanjing, 210008 China

1.3. Emergency and contact telephone numbers

Emergency telephone: +86-25-8471 2605

Contact telephone number : +86-25-8471 5120 (Product information)

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Sodium Acid Pyrophosphate	7758-16-9	99 - 100%	Yes

3. Hazards Identification

Concentration : $\leq 2.0\%$

3.1 Inhalation

Hyperventilation may occur secondary to hypocalcemia.

3.2 Skin

May cause mild skin irritation. Symptoms may include redness and burning of skin.

3.3 Eyes

[It's worth it, safety comes first.](#)

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Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

3.4 Ingestion

Nausea, vomiting, abdominal pain, and diarrhea are common, leading to dehydration.

4. First Aid Measures

4.1. Ingestion

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

4.2. Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

4.3. Skin

Remove contaminated clothing and wash exposed area thoroughly with soap and water. A physician should examine the area if irritation or pain persists.

4.4. Eyes

Irrigate exposed eyes with copious amounts of tepid water for at least 15 minutes. If irritation, pain, swelling, lacrimation, or photophobia persist, the patient should be seen in a health care facility.

5. Fire Fighting Measures

Fire Fightin

Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

Extinguish fire using most appropriate media.

6. Accidental Release Measures

Small spills/leaks

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Small Spill - Sweep up material for disposal or recovery. Large Spill - Shovel material into containers. Thoroughly sweep area of spill to clean up any residual material.

7. Handling and Storage

Storage

Store in a cool, dry location in a tightly sealed container.

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

8. Exposure Controls/Personal Protection

8.1. Personal Protection

Wear safety glasses in compliance with OSHA regulations. Wear resistant gloves such as neoprene. Wear normal work clothing covering arms and legs.

8.2. Respirators

If needed, use a NIOSH/MSHA jointly approved dust respirator

8.3. Exposure Effects

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea)

9. Physical and Chemical Properties

Appearance

White odorless powder

Solubility in water

120 g/L

Density

2.311 g/cm³ (25 C)

Usage

Electroplating, metal cleaning and phosphatising, drilling muds, baking powders and leavening agent, buffer, sequestrant, peptising agent in cheese and meat products, frozen desserts.

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10. Stability and Reactivity

Stability

Stable at normal temperatures and pressures.

Incompatibilities

Strong mineral acids.

Decomposition

Phosphorous compounds.

Combustion Products

Phosphorous compounds.