Material Safety Data Sheet

Tetrasodium Pyrophosphate

1 Chemical Product and Company Information

Product name: Tetrasodium Pyrophosphate
Synonyms: TSPP
Supplier Information: Guizhou Lvynbio Biotech Co., Ltd
No.5 Jinjiang Road, Xiaohe, Guiyang, Guizhou, China.
Tel: 0086 851-3799686
Fax: 0086 851-3799687

2 Composition/Information on Ingredients

Substances / Preparation: Substances
Chemical Name: NaP2O7
CAS NO.: 7722-88-5

3 Hazards Identification

Emergency Overview: May cause eye, skin, and respiratory irritation.
Inhalation: Dust or mists from solutions can probably cause irritation of the nose and throat.
High concentrations may cause coughing and choking. There is no human or animal information available.
Ingestion: Is low in oral toxicity, based on animal lethality studies. In small amounts, it is used as a food additive. Ingestion of very large amounts may cause nausea, vomiting, cramps, abdominal pain, diarrhea and severe inflammation of the stomach and intestinal tract. Ingestion is not a typical route of occupational exposure
Eye contact: Dust or mist from solutions may cause eye irritation and pain, based on its moderate alkalinity.(2) There is no human or animal information available.
Skin Contact: Not irritating to the skin, based on animal and human information. More concentrated solutions may be slightly irritating. Application of a 50% solution for 4 hours caused negligible irritation on the intact and abraded skin of 5/6 human volunteers.(1) No effects are expected if it is promptly rinsed off skin.

4 First Aid Measures

Inhalation: Move to fresh air. Apply oxygen or artificial respiration if required. If breathing difficulties, or distress, continue obtain medical attention.
Ingestion: Do not induce vomiting. Rinse mouth with plenty of water. Give one to two glasses of water to drink. If large quantity ingested obtain medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.
Skin Contact: Immediately flush with flowing water until material is removed. If irritation occurs, or persists, obtain medical attention.
Eye Contact: Immediately flush with gently flowing warm water for at least 15 minutes, or until irritation ceases. If irritation persists, obtain medical attention when flushing is
5 Fire Fighting Measures

Flash point: Not combustible (will not burn).
Lower flammable: Not applicable.
Upper flammable: Not applicable.
Autoignition: Not applicable.

6 Accidental Release Measures

Precautionary Measures: Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. Wear adequate personal protective equipment. Notify government occupational health and safety and environmental authorities.

7 Handling and Storage

Handling: Avoid generating dusts. Prevent the release of dust into the workplace air. Use in a well ventilated area, separate from the storage area. The use of compressed air to clean equipment, clothing, etc., is not recommended.

Storage: Store in suitable, labelled containers, preferably the supplier container. Protect from damage. It is good practice to keep storage containers closed when not in use and when empty. Follow storage advice provided on Material Safety Data Sheet.

8 Exposure Control and Personal Protection

Engineering Controls: Use in a well ventilated area.
Respiratory Protection: Dust/mist respirator. (95%)
Hand Protection: Normal work gloves.
Skin Protection: Normal work coveralls.
Eye Protection: Wear safety glasses or goggles to protect against exposure
Other Precautions: None known.

9 Physical and Chemical Properties

Chemical Formula: NaP2O7
Color and Appearance: White powder or granular
Odor: odorless
Solubility: 0.2
PH: 9.9-10.7
Fe: 0.01
Vapor Pressure(mm/hg): n/a
Vapor Density (air=1): n/a
Pb: 0.001
Bulk Density: n/a
Volatile by Volume: n/a
10 Stability and Reactivity
Stability Data: Stable
Hazardous Polymerization: Will Not Occur
Conditions to Avoid: None anticipated
Incompatibility (Materials to Avoid): Strong oxidizers.

11 Toxicological Information
Eye effects: May cause eye irritation.
Carcinogenicity: No data available to indicate product or components present at greater than 1% are chronic health hazards.

12 Ecological Information
Environmental Fate: No information found.
Environmental Toxicity: No information found.

13 Disposal Considerations
Sweep up and repackage or place in a receptacle for future disposal or use in accordance with any and all federal, state, or local regulations.

14 Transport Information
This material is not dangerous goods according to international regulations for transport.

15 Regulatory Information
Poison Schedule: None allocated.
Chemical Weapons Convention: No.
Fire: No

16 Other Information
This information herein given in good faith and to the best of our knowledge. Since we have no control over the use of the product, we make no warrantee or representation, expressed or implied, other than that it conforms to the chemical description on its label. No agent, representative or employee of us is authorized to change any terms of this notice.