



TULSTAR PRODUCTS, INC.

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MATERIAL SAFETY DATA SHEET

HYSORB SODIUM TRIPOLYPHOSPHATE

1. Company Information

Company Name: Tulstar Products, Inc.
Address: 5510 S. Lewis Ave.
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2. Chemical Product

Product Name: Hysorb Sodium Tripolyphosphate
Synonyms: STFF, sodium triphosphate, triphosphate, pentasodium
Product Use: water softener, food additive and texturizer

3. Ingredients/Identity Information

Proprietary: No
Ingredient: Triphosphoric Acid, Pentasodium Salt; (Sodium Phosphate,
Tribasic)
Percentage: 100
Case Number: 7758-29-4
OSHA Pel: Not Applicable
ACGIH TLV: Not Applicable

4. Physical/Chemical Characteristics

Appearance & Odor: White granules or white powder
Boiling Point: >1832F, >100C
Melting Point: 1152F, 622C
Vapor Pressure: (MM Hg/70F) : Not Volatile
Vapor Density (Air=1): Not Volatile
Specific Gravity: 0.5 - 1.2 g/ml
Evaporation Rate: Not Volatile
Solubility in Water: 13 @ 25C
pH: SUPDAT

5. **Fire & Explosion Hazard Data**
Flash Point: Non Combustible
Lower Explosive Limit: Not Applicable
Upper Explosive Limit: Not Applicable
Extinguishing Media: Use media suitable for surrounding fire
Special Fire Fighting: Wear NIOSH/MSHA approved SCBA & full protective equipment
Unusual Hazards: None specified by manufacturer
6. **Reactivity Data**
Stability: Yes
Conditions to Avoid: None
Materials to Avoid: None
Hazardous Poly Occur: No
7. **Health Hazard Data**
LD50-LC50 Mixture: (ORAL, RAT): 6.5 g/kg
Route of Entry: Inhalation - yes
Skin - No
Ingestion - Yes
Health Hazard Acute: No human data available. Animal eye irritation studies noted this material is a mild irritant to unwashed eyes and non-irritant to washed eyes.
Health Hazard Chronic: Human industrial experience has shown no significant inhalation hazard or skin irritation when good personal hygiene practices are followed.
Carcinogenicity: NTP - No
IARC - No
OSHA - No
Emergency/First Aid: Eyes - Flush with water for at least 15 minutes. If irritation occurs and persists, get medical attention.
Skin - Wash off with water. If irritation occurs and Persists, get medical attention.
Inhalation - Remove from exposure. If breathing is difficult or discomfort persists, get medical attention.
Ingestion - Rinse mouth with water, give milk or water to cause dilution in the stomach. Do not cause Vomiting.

8. Precautions for Sale Handling & Use

Steps if Mtrl is Spilled: Material should be swept up for salvage or disposal
Neutralizing Agent: None specified by manufacturer
Waste Disposal Method: If material cannot be salvaged, a method of disposal is in a landfill in accordance with local, state and federal regulations.
Precautions- Storage: Store in dry area, for product quality assurance
Other Precautions: None specified by manufacturer

9. Control Measures

Respiratory Protection: Use NIOSH/MSHA approved respiratory protection if airborne dust is expected.
Ventilation: No special requirements
Protection Gloves: Impervious gloves
Eye Protection: Chemical workers goggles
Other Protection: None specified by manufacturer
Work Hygienic Practice: None specified by manufacturer
Sply Sfty & Hlth Data: pH - (1% solution) : 10
First Aid Procedure - of a large dose (e.g. 20 g) may cause nausea and vomiting. If vomiting is not spontaneous, do not induce it. Phosphates are laxatives. Available data suggest irritant effects are minimal.