

Material Safety Data Sheet

Provided by:
DPC Industries, Inc. DX Systems Company
DPC Enterprises, LP DX Terminals
DXI Industries, Inc.

PO Box 24600
Houston, Tx 77229-4600
281-457-4888
888-647-7717
www.dxgroup.com

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name TRISODIUM PHOSPHATE ANHYDROUS
Synonyms TSP, SODIUM PHOSPHATE TRIBASIC
Chemical Name TRISODIUM PHOSPHATE **Date of Issue:** 10/01/00
Emergency phone: 281-457-4888 **Reviewed / Revision Date:** 08/28/07
Chemtrec: 800-424-9300

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

| COMPONENTS | PERCENT | CAS NO. |
|-----------------------------------|---------|------------|
| TRISODIUM PHOSPHATE DODECAHYDRATE | > 95% | 10101-89-0 |

SECTION 3 - HAZARDS IDENTIFICATION

Potential Health Effects

ACGIH - TLV: 3 mg/cu m (DUST)
Eye Contact CONTACT CAUSES SEVERE IRRITATION AND POSSIBLE BURNS WITH PERMANENT DAMAGE POSSIBLE.
Skin Contact CONTACT CAUSES SEVERE SKIN IRRITATION AND POSSIBLE BURNS.
Ingestion MAY SEVERELY IRRITATE WITH POSSIBLE BURNS TO MOUTH, THROAT, AND GASTROINTESTINAL TRACT.
Inhalation MAY SEVERELY IRRITATE NOSE, THROAT, AND RESPIRATORY PASSAGES.
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) NOT APPLICABLE
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. PRODUCT IS A STRONG OXIDIZER AND IN CONTACT WITH ORGANIC MATTER MAY CAUSE FIRE. KEEP

SECTION 6 - ACCIDENTAL RELEASE MEASURES

For Spill: SWEEP, SCOOP, OR VACUUM AND PLACE IN CONTAINER FOR DISPOSAL. FLUSH RESIDUAL WITH WATER.

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.

OPEN AND EMPTY BAGS WITH EXHAUST SYSTEM. FOR FOOD APPLICATIONS, KEEP AWAY FROM OTHER CHEMICALS.

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

| | | | |
|-------------------------------------|---------------------------------------|---|----------------|
| Boiling Point (°F): | > 2000 | Vapor Pressure (mmHg): | NOT APPLICABLE |
| Freezing Point (°F): | 167 | Vapor Density (Air=1): | NOT APPLICABLE |
| Solubility (H₂O): | PARTIAL | Specific Gravity (H₂O=1): | 1.0 g/ml |
| pH | 11.9 | Evaporation Rate: | NOT DETERMINED |
| Appearance/Odor: | WHITE SOLID WITH NO APPRECIABLE ODOR. | | |

SECTION 10 - STABILITY AND REACTIVITY

| | |
|----------------------------------|--|
| Chemical Stability: | YES |
| Incompatible Material: | CAN BE CORROSIVE TO ALUMINUM SURFACES. |
| Hazardous Polymerization: | WILL NOT OCCUR. |
| Decomposition Products: | NONE EXPECTED. |

SECTION 11 - TOXICITY INFORMATION

LD50 ORAL (rat) = 4150 mg/kg LD50 DERMAL (rabbit) = > 7940 mg/kg

SECTION 12 - ECOLOGICAL INFORMATION

LC50/96HR/BLUEGILL = 1.0 MG/L LC50/96HR/TROUT = 120 MG/L

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): 5000

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: 3 **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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