

MATERIAL SAFETY DATA SHEET

TRISODIUM PHOSPHATE CRYSTALS

SECTION I - IDENTIFICATION

MANUFACTURER'S NAME..... Haviland Consumer Products Incorporated
ADDRESS (STREET,CITY,STATE,ZIP) 421 Ann St., N.W., Grand Rapids, MI 49504
PHONE NUMBER..... (616) 361-6691
EMERGENCY PHONE NUMBER..... CHEMTREC (800) 424-9300
EFFECTIVE DATE..... 10/7/99
TRADE NAME..... TRISODIUM PHOSPHATE CRYSTALS
CHEMICAL FAMILY..... Phosphate Salt

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	OSHA/PEL	ACGIH/TLV (Units)	PROD. CAS #
Trisodium Phosphate Crystal	Not Determined	Not Determined	10101-89-0

SECTION III - PHYSICAL DATA

BOILING POINT..... Not Applicable
FREEZING POINT..... 167°F (75°C)
VAPOR PRESSURE (mm Hg)..... Not Volatile
VAPOR DENSITY (Air=1)..... Not Volatile
SOLUBILITY IN H2O..... 33% @ 25°C
APPEARANCE/ODOR..... White Crystal
SPECIFIC GRAVITY (H2O=1)..... 0.9
PH..... 11.9 in 1% solution

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT..... Not Combustible
LOWER EXPLOSIVE LIMIT (% by Volume) Not Applicable
UPPER EXPLOSIVE LIMIT (% by Volume) Not Applicable
EXTINGUISH MEDIA..... As for surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES... Not Applicable
UNUSUAL FIRE HAZARD..... None

SECTION V - HEALTH HAZARD DATA

CARCINOGENICITY..... No
NTP..... No
IARC..... No
OVER EXPOSURE EFFECTS..... Irritation of eyes & mucus membranes.
PRIMARY ROUTE(S) OF ENTRY..... Contact & dust inhalation

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FIRST AID PROCEDURES..... In case of eye contact: Flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water; wash contaminated clothing before reuse. If inhaled: Remove to fresh air.

EXPOSURE AGGRAVATED MEDICAL CONDITIONS Avoid irritation from airborne dust.

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SECTION VI - REACTIVITY DATA

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CHEMICAL STABILITY..... Stable

CONDITIONS TO AVOID..... Not Applicable

INCOMPATIBLE MATERIALS..... Not Applicable

DECOMPOSITION PRODUCTS..... Not Applicable

HAZARDOUS POLYMERIZATION..... Will Not Occur

POLYMERIZATION AVOID..... Not Applicable

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SECTION VII - SPILL OR LEAK PROCEDURE

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FOR SPILL Sweep, scoop or vacuum up all spilled material, contaminated soil and other contaminated material and place in containers. If possible, complete cleanup on a dry basis. After all practical dry cleanup has been done, flush area with plenty of water.

WASTE DISPOSAL METHOD..... May be disposed in sanitary landfill according to Governmental Regulations. .

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SECTION VIII - SPECIAL PROTECTION

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RESPIRATORY PROTECTION..... Minimum if a NIOSH/OSHA approved dust mask.

VENTILATION..... Provide mechanical, local exhaust to keep dust at a minimum.

PROTECTIVE GLOVES..... Rubber or other impervious materials.

EYE PROTECTION..... A minimum of safety glasses should be used. Chemical splash proof goggles are preferred.

OTHER PROTECTIVE EQUIPMENT.... A safety shower and eye bath should be available. For operations where spills or splashing may occur, use an impervious body covering and boots.

HANDLING AND STORAGE..... Reduce contact with skin & eyes. Avoid breathing dust. Store in a dry area. Solids do not freeze.

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SECTION IX - SPECIAL PRECAUTIONS

HAZARD CLASS..... Not Regulated
DOT SHIPPING NAME..... Not Regulated
UN NUMBER..... NONE
REPORTABLE QUANTITY (RQ)..... Not Listed

REFERENCES ZZ1TSP

HMIS: H-2, F-0, R-0