

# MATERIAL SAFETY DATA SHEET

PAGE 1 OF 2

VALUE PRODUCTS INC 2128 INDUSTRIAL DR. STOCKTON, CA 95206

PRODUCT CODE: 962445

REVISION : 1  
DATE ISSUED: 02/05/07  
SUPERSEDES : 06/01/94

## SECTION I PRODUCT IDENTIFICATION

PRODUCT NAME : T.S.P. CRYSTAL

CHEMICAL NAME : TRISODIUM PHOSPHATE CRYSTALS  
FORMULA : Na<sub>3</sub>PO<sub>4</sub> - 12H<sub>2</sub>O - 1/4 NaOH  
DOT HAZARD CLASS : NONE

HAZARD RATING (NFPA 704)

HEALTH: 1  
FIRE: 0  
REACTIVITY: 0  
SPECIAL: NONE

HAZARD RATING SCALE

0=MINIMAL  
1=SLIGHT  
2=MODERATE  
3=SERIOUS  
4=SEVERE

CHEMTREC'S 24 HOUR EMERGENCY TELEPHONE NUMBER 800-424-9300

## SECTION II HAZARDOUS INGREDIENTS

SUBSTANCES LISTED IN THIS SECTION ARE THOSE IDENTIFIED AS BEING PRESENT AT A CONCENTRATION OF 1% OR GREATER, OR 0.1% IF THE SUBSTANCE IS ON THE LIST OF POTENTIAL CARCINOGENS CITED IN OSHA HAZARD COMMUNICATION STANDARD.

MATERIAL	CAS#	AMOUNT (WT.%)	TLV	PEL
TRISODIUM PHOSPHATE CRYSTALS	10101-89-0	100.0	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>

(ESTABLISHED FOR AIRBORNE DUST)

## SECTION III PHYSICAL DATA

BOILING POINT (°C): NOT APPLICABLE  
VOLATILE : NON-VOLATILE  
VAPOR PRESSURE: NON-VOLATILE  
VAPOR DENSITY: NON-VOLATILE  
EVAPORATION RATE (WATER=1): NA  
DESCRIPTION: ODORLESS WHITE CRYSTALLINE POWDER  
MELTING POINT (°C): 75  
SOLUBILITY IN SOLVENT: NA  
SOLUBILITY IN WATER: 33% @25°C  
BULK DENSITY (g/mL): 0.92  
P<sub>H</sub> 1% SOLUTION: 11.9

## SECTION IV FIRE AND EXPLOSION HAZARDS

FLASH POINTS: NON-COMBUSTIBLE  
LOWER FLAMMABLE LIMIT: NA  
EXPLOSIVE PROPERTIES: NONE  
EXTINGUISHING MEDIA: WATER SPRAY, FOAM, CARBON DIOXIDE.  
UNUSUAL FIRE OR EXPLOSIVE HAZARD: NONE KNOWN.  
METHOD USED: C.C.C.  
UPPER FLAMMABLE LIMIT: NA  
OXIDIZING PROPERTIES: NONE

## SECTION V HEALTH HAZARD DATA

### SIGNS AND SYMPTOMS OF EXPOSURE (SKIN, EYE CONTACT; INHALATION; INGESTION)

EYE CONTACT : MAY CAUSE IRRITATION, REDNESS, TEARING.  
INHALATION : IRRITATION TO NASAL AND RESPIRATORY TRACT.  
INGESTION : CAN CAUSE NAUSEA, VOMITING AND GASTROINTESTINAL UPSET.  
SKIN CONTACT : IRRITATION TO SKINS.

**FIRST AID MEASURES**

EYE CONTACT : IMMEDIATELY FLUSH EYES WITH LOTS OF RUNNING WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.  
INHALATION : REMOVE TO FRESH AREA. SEEK MEDICAL ATTENTION IF NEEDED.  
INGESTION : DO NOT INDUCE VOMITING. DRINK LARGE QUANTITIES OF WATER AND SEEK MEDICAL ATTENTION IMMEDIATELY.  
SKIN CONTACT : WASH SKIN WITH SOAP AND WATER. IF IRRITATION OCCURS AND PERSISTS SEEK MEDICAL ATTENTION AS NEEDED.

---

**SECTION VI****REACTIVITY DATA**

---

STABILITY: STABLE  
INCOMPATIBILITY (MATERIALS TO AVOID): OXIDIZERS. COULD BE CORROSIVE WITH ALUMINUM SURFACE.  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
CONDITIONS TO AVOID: THE MATERIAL IS CORROSIVE WHEN WET.  
HAZARDOUS DECOMPOSITION: NONE KNOWN.

---

**SECTION VII****SPILL OR LEAK PROCEDURES**

---

CLEAN-UP PROCEDURES: SWEEP, SCOOP, VACUUM SPILLS AND TRANSFER TO DRY, SEALABLE CONTAINERS FOR DISPOSAL. COMPLETE CLEAN-UP ON THE DRY BASIS IF POSSIBLE. AVOID DUSTING. FLUSH CONTAMINATED AREAS WITH WATER.

RECOMMENDED WASTE DISPOSAL METHOD: DISPOSE OF IN A LANDFILL IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

---

**SECTION VIII****SPECIAL PROTECTION DATA**

---

RESPIRATORY PROTECTION : DUST MASK.  
EYE PROTECTION : SAFETY GOGGLES.  
PROTECTIVE CLOTHING : RUBBER GLOVES, FULL-LENGTH CLOTHING.  
VENTILATION : LOCAL EXHAUST (DUST COLLECTION SYSTEM).  
OTHER PROTECTIVE MEASURES: EYEWASH FOUNTAIN.

---

**SECTION IX****SPECIAL PRECAUTION**

---

HYGIENIC PRACTICES IN HANDLING STORING: WASH THOROUGHLY AFTER HANDLING. EATING, DRINKING, AND SMOKING SHOULD BE PROHIBITED IN THE WORKING AREAS.  
PRECAUTION TO BE TAKEN IN HANDLING AND STORING: STORE IN COOL, DRY, VENTILATED AREAS.  
DISPOSAL OF EMPTY CONTAINER: EMPTY CONTAINERS SHOULD BE TRIPLE RINSED WITH WATER AND DISPOSED OF PURSUANT TO LOCAL, STATE, AND FEDERAL REQUIREMENTS.

---

**SECTION X****USER'S RESPONSIBILITY**

---

THE RESPONSIBILITY TO PROVIDE A SAFE WORKPLACE REMAINS WITH THE USER. THE USER SHOULD CONSIDER THE HEALTH HAZARD AND SAFETY INFORMATION CONTAINED HEREIN AS A GUIDE AND SHOULD TAKE THOSE PRECAUTIONS REQUIRED IN AN INDIVIDUAL OPERATION TO INSTRUCT EMPLOYEES AND DEVELOP WORK PRACTICE PROCEDURES FOR A SAFE WORK ENVIRONMENT.

---

**THE INFORMATION CONTAINED HEREIN, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, IS ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.**

---

REVISION  
01/06/94 ISSUED NEW MSDS  
06/01/94 REVISED EMERGENCY PHONE NUMBER