

MATERIAL SAFETY DATA SHEET

VALUE PRODUCTS INC 2128 INDUSTRIAL DRIVE STOCKTON, CA 95206

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SUPERSEDES : 07/30/93

SECTION I PRODUCT IDENTIFICATION

PRODUCT NAME : POWDER SOUR PLUS
CHEMICAL NAME : SODIUM SILICOFLUORIDE COMPOUND
FORMULA : PROPRIETARY
DOT HAZARD CLASS : POISONOUS SOLID, SODIUM FLUOROSILICATE, UN 2674

HAZARD RATING (NFPA 704) HAZARD RATING SCALE
HEALTH: 3 0=MINIMAL
FIRE: 0 1=SLIGHT
REACTIVITY: 2 2=MODERATE
SPECIAL: NONE 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.

Table with 5 columns: MATERIAL (BASED ON 100% FORMULA LEVEL), CAS#, AMOUNT, TLV, PEL. Row 1: SODIUM SILICOFLUORIDE, 16893-85-9, 340, 1-4 mg/m3

SECTION III PHYSICAL DATA

BOILING POINT : 500 °C VOLATILE : NA
VAPOR PRESSURE: NOT ESTABLISHED SOLUBILITY IN WATER: 0.8%
VAPOR DENSITY: (AIR=1): NA EVAPORATION RATE: NA
SPECIFIC GRAVITY: 2.7 g/mL VISCOSITY: NOT APPLICABLE
DESCRIPTION: WHITE ODORLESS, TASTELESS CRYSTAL.

SECTION IV FIRE AND EXPLOSION HAZARDS

FLASH POINTS: NON-COMBUSTIBLE METHOD USED: C.O.C.
FLAMMABLE LIMITS LEL/UEL: NA
EXTINGUISHING MEDIA: WATER SPRAY, FOAM, CARBON DIOXIDE MAY BE USED.
UNUSUAL FIRE OR EXPLOSIVE HAZARD: NONE AS KNOWN.

SECTION V HEALTH HAZARD DATA

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

EYE CONTACT : FLUORIDE DUST MAY CAUSE IRRITATION TO EYES.
INHALATION : AIRBORNE DUST MAY CAUSE SERIOUS IRRITATION TO RESPIRATORY TRACT, SHORTNESS OF BREATH.
INGESTION : CAN CAUSE IRRITATION OF MOUTH, THROAT, AND GASTROINTESTINAL TRACT. OTHER SYMPTOMS SUCH AS NAUSEA, VOMITING, DIARRHEA, DISTURBED COLOR VISION, MUSCULAR WEAKNESS, EVEN DEATH MAY ALSO OCCUR. THE MATERIAL IS GENERALLY KNOWN AS POISON IF INGESTED.
SKIN CONTACT : MAY CAUSE IRRITATION, RASH UPON PROLONGED CONTACT.

FIRST AID MEASURES

EYE CONTACT : IMMEDIATELY FLUSH EYES WITH LOTS OF RUNNING WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION IMMEDIATELY.

INHALATION : REMOVE TO FRESH AREA IMMEDIATELY. GET MEDICAL ATTENTION AS SOON AS POSSIBLE

INGESTION : INDUCE VOMITING AS SOON AS POSSIBLE. DRINK LARGE QUANTITIES OF WATER OR MILK AND SEEK MEDICAL ATTENTION IMMEDIATELY.

SKIN CONTACT : WASH SKIN WITH LOTS OF SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES; WASH BEFORE REUSE. IF IRRITATION OCCURS AND PERSISTS SEEK MEDICAL ATTENTION AS NEEDED.

SECTION VI REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY (MATERIALS TO AVOID): HOT ALKALIES, STRONG ACIDS

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: TEMPERATURE ABOVE 400°C.

HAZARDOUS DECOMPOSITION: SiF₄NaF.

SECTION VII SPILL OR LEAK PROCEDURES

CLEAN-UP PROCEDURES: KEEP UNNECESSARY PERSONNEL AWAY. ISOLATE SPILLED AREAS. WEAR RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING AS NEEDED. SWEEP UP AND PLACE MATERIAL IN DRY, SEALABLE CONTAINERS FOR DISPOSAL. AVOID DUSTING. FLUSH RESIDUES WITH WATER.

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

SECTION VIII SPECIAL PROTECTION DATA

RESPIRATORY PROTECTION : NIOSH-APPROVED DUST MASK. NIOSH-MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED IF DUST LEVEL EXCEEDS TLV.

EYE PROTECTION : SAFETY GOGGLES OR FULL FACE SHIELD.

PROTECTIVE CLOTHING : RUBBER GLOVES, BOOTS, FULL-LENGTH CLOTHING.

VENTILATION : LOCAL EXHAUST

OTHER PROTECTIVE MEASURES: SAFETY SHOWER AND EYEWASH SHOULD BE NEARBY AND READY FOR USE.

SECTION IX SPECIAL PRECAUTION

HYGIENIC PRACTICES IN HANDLING STORING: WASH THOROUGHLY AFTER HANDLING.

PRECAUTION TO BE TAKEN IN HANDLING AND STORING: STORE IN ORIGINAL CONTAINER, AT COOL, DRY, AND WELL-VENTILATED AREAS. AVOID ANY CONTAMINATION TO FOOD LINES.

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.