

Material Safety Data Sheet



NON-CHLORINE SHOCK

SECTION I - IDENTIFICATION

MANUFACTURER'S NAMEHaviland Consumer Products, Inc.
MANUFACTURER'S ADDRESS421 Ann St., N.W., Grand Rapids, MI 49504
PHONE NUMBER..... (616) 361-6691
EMERGENCY PHONE NUMBERCHEMTREC (800) 424-9300
EFFECTIVE DATE.....8/4/04
TRADE NAME.....**NON-CHLORINE SHOCK**
CHEMICAL FAMILY.....Inorganic Salt

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	OSHA PEL	TLV (Units)	CAS NUMBER
Potassium Peroxymonosulfate	Not Established	Not Established	70693-62-8
Potassium Bisulfate	Not Established	Not Established	7646-93-7
Potassium Sulfate	Not Established	Not Established	7778-80-5

SECTION III - PHYSICAL DATA

BOILING POINT Decomposes
FREEZING POINT Decomposes
VAPOUR PRESSURE Nil
VAPOUR DENSITY (air=1) Non-Volatile
SOLUBILITY IN H₂O..... 25.6% at 20°C
ODOUR AND APPEARANCE White Granules or Powder; Odorless
SPECIFIC GRAVITY 1.1-1.4
pH..... 1% Sol. = 2.3, 3% Sol. = 2.0

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT AND METHOD OF DETERMINATIONNot Flammable
LOWER EXPLOSIVE LIMIT (% by Volume) Not Applicable
UPPER EXPLOSIVE LIMIT (% by Volume) Not Applicable
MEANS OF EXTINCTION.....As for Surrounding Fires
SPECIAL FIRE FIGHTING PROCEDURES.....Will release oxygen when heated, intensifying a fire. Acidic mist may be present; self contained breathing apparatus should be used.
UNUSUAL FIRE HAZARD.....Grinding or intensive mixing may generate sufficient heat to fuse material and cause ignition of oxidizable material present.

SECTION V - HEALTH HAZARD DATA

CARCINOGENICITY, REPRODUCTIVE EFFECTS None
NTP?..... No
IARC MONOGRAPHS?..... No
OVER EXPOSURE EFFECTS Irritation to eyes, skin, nose and throat.
PRIMARY ROUTE(S) OF ENTRY Eye and Skin Contact
SPECIFIC FIRST AID PROCEDURES In case of contact: Immediately flush eyes and skin with plenty of water for at least 15 minutes. For eyes, get medical attention. Wash contaminated clothing before reuse. If inhaled: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give

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EXPOSURE AGGRAVATED MEDICAL CONDITIONS

oxygen. Call a physician. If swallowed: Do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician. Individuals with preexisting diseases of the skin or gastrointestinal tract may have increased susceptibility to the toxicity of excessive exposures.

SECTION VI - REACTIVITY DATA

CHEMICAL STABILITY Stable
CONDITIONS TO AVOID Heat, Alkaline Conditions
INCOMPATIBLE MATERIALS Mixed with compounds containing halides or active halogens (bromine or chlorine) can cause release of the respective halogen gas if moisture is present. Mixing with chloride salts (Dichlor, Hypochlorites, Trichlor, Table Salt) can cause release of irritating halogen gases. Mixing with heavy metal salts causes decomposition generating heat and oxygen gas. NEVER mix with any cyanide salt.
HAZARDOUS DECOMPOSITION PRODUCTS Decomposes when heated or dampened, releasing oxygen and heat of decomposition.
HAZARDOUS POLYMERIZATION Will Not Occur
POLYMERIZATION AVOID Not Applicable

SECTION VII - SPILL OR LEAK PROCEDURE

LEAK AND SPILL PROCEDURES Sweep up. Flush area with low-pressure water.
WASTE DISPOSAL Comply with all federal, state and local regulations. Solutions > 3% by weight have a pH < 2.0, and may be a RCRA hazardous waste upon disposal. If approved, flush to sewer or waste treatment plant. Large quantities should be neutralized with soda ash.

SECTION VIII - SPECIAL PROTECTION

RESPIRATORY PROTECTION A NIOSH approved respirator may be permissible under certain circumstances when airborne concentrations are expected to exceed exposure limits. None needed under normal circumstances.
VENTILATION Use sufficient ventilation to keep employee exposure below recommended limits.
PROTECTIVE GLOVES Rubber or other impervious materials.
EYE PROTECTION Chemical splash proof goggles.
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 PROCEDURES AND EQUIPMENT Avoid breathing dust. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling. Store in a cool, dry, well-ventilated area away from heat sources such as light fixtures or space heaters. Do not store with combustibles. Storage of large quantities can lead to ignition of combustibles.

SECTION IX - SPECIAL PRECAUTIONS

HAZARD CLASS Corrosive, 8, PG II or ORM-D IF <2.2 LBS
DOT SHIPPING NAME Corrosive Solid, Acidic, Inorganic, N.O.S. (Monopersulfate Compound)
UN NUMBER UN3260 or ORM-D
REPORTABLE QUANTITY (RQ) Not Listed

REFERENCES

HMIS: H-2,F-0,R-1 ZZ10XSHK