

Material Safety Data Sheet



CHLORINE NEUTRALIZER

SECTION I - IDENTIFICATION

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

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	OSHA PEL	TLV (Units)	CAS NUMBER
Sodium Thiosulfate Pentahydrate	Not Established	Not Established	7772-98-7

SECTION III - PHYSICAL DATA

BOILING POINTDecomposes above 100°C
FREEZING POINT 48°C
VAPOUR PRESSURE Not Applicable
VAPOUR DENSITY (air=1) Not Applicable
SOLUBILITY IN H₂O..... Very Soluble
ODOUR AND APPEARANCE White Granules; Odorless
SPECIFIC GRAVITY 1.7
pH..... 6.5 - 8.0 in aqueous solution

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT AND METHOD OF DETERMINATION Will Not Burn
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.....Use self contained breathing apparatus in confined areas.
UNUSUAL FIRE HAZARD.....None Currently Known

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SECTION V - HEALTH HAZARD DATA

CARCINOGENICITY, REPRODUCTIVE EFFECTS None
NTP? No
IARC MONOGRAPHS? No
OVER EXPOSURE EFFECTS Possible Irritation of eyes and skin.
PRIMARY ROUTE (S) OF ENTRY Skin Contact
SPECIFIC FIRST AID PROCEDURES For Contact: Thoroughly flush with plenty of water for at least 15 minutes, if irritation occurs or persists, get medical attention. If inhaled: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention. If swallowed: If conscious, promptly give 2 to 4 glasses of water and induce vomiting by touching finger to back of throat. If symptoms develop, get medical attention.
EXPOSURE AGGRAVATED MEDICAL CONDITIONS None Currently Known

SECTION VI - REACTIVITY DATA

CHEMICAL STABILITY Stable
CONDITIONS TO AVOID High temperatures (above 100°C) yield sulfur dioxide gas and hazardous residue
INCOMPATIBLE MATERIALS Strong oxidizers, acids, water-reactive materials such as sodium.
HAZARDOUS DECOMPOSITION PRODUCTS Sulfur dioxide gas, sodium sulfide residue, hydrogen sulfide gas
HAZARDOUS POLYMERIZATION Will Not Occur
POLYMERIZATION AVOID Not Applicable

SECTION VII - SPILL OR LEAK PROCEDURE

LEAK AND SPILL PROCEDURES Promptly shovel up dry chemical into any empty container and cover. Cautiously spray residue with plenty of water.
WASTE DISPOSAL Dispose of in an approved chemical waste landfill in accordance with applicable federal, state and local regulations.

SECTION VIII - SPECIAL PROTECTION

RESPIRATORY PROTECTION None required under normal use.
VENTILATION None required under normal use.
PROTECTIVE GLOVES Rubber or plastic.
EYE PROTECTION Splash proof chemical goggles.
OTHER PROTECTIVE EQUIPMENT A safety shower and eye bath should be available.
HANDLING PROCEDURES AND EQUIPMENT Store in cool, dry place.

SECTION IX - SPECIAL PRECAUTIONS

HAZARD CLASS None
DOT SHIPPING NAME WATER TREATMENT COMPOUND
UN NUMBER NR
REPORTABLE QUANTITY (RQ) Not Listed

REFERENCES

CHLOROUT