

# Material Safety Data Sheet



## CHLORINE NEUTRALIZER

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### SECTION I - IDENTIFICATION

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MANUFACTURER'S NAME .....Haviland Consumer Products Incorporated  
MANUFACTURER'S ADDRESS .....421 Ann St., NW, Grand Rapids, MI 49504  
PHONE NUMBER..... (616) 361-6691  
EMERGENCY PHONE NUMBER .....CHEMTREC (800) 424-9300  
EFFECTIVE DATE.....8/4/04  
TRADE NAME.....**CHLORINE NEUTRALIZER**  
CHEMICAL FAMILY.....Inorganic Salt

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### SECTION II - HAZARDOUS INGREDIENTS

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

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### SECTION III - PHYSICAL DATA

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BOILING POINT .....Decomposes above 100°C  
FREEZING POINT .....48°C  
VAPOUR PRESSURE .....Not Applicable  
VAPOUR DENSITY (air=1) .....Not Applicable  
SOLUBILITY IN H<sub>2</sub>O.....Very Soluble  
ODOUR AND APPEARANCE .....White Granules; Odorless  
SPECIFIC GRAVITY .....1.7  
pH.....6.5 - 8.0 in aqueous solution

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### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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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

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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

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## SECTION VI - REACTIVITY DATA

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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

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## SECTION VII - SPILL OR LEAK PROCEDURE

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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.

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## SECTION VIII - SPECIAL PROTECTION

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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.

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## SECTION IX - SPECIAL PRECAUTIONS

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

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REFERENCES

CHLOROUT