

# Material Safety Data Sheet



## WINTER CLEAR ALGAECIDE

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### SECTION I - IDENTIFICATION

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MANUFACTURER'S NAME .....Haviland Consumer Products, Inc.  
MANUFACTURER'S ADDRESS .....421 Ann St., N.W., Grand Rapids, MI 49504  
PHONE NUMBER..... (616) 361-6691  
EMERGENCY PHONE NUMBER .....CHEMTREC (800) 424-9300  
EFFECTIVE DATE.....11/13/02  
TRADE NAME.....**WINTER CLEAR ALGAECIDE**  
CHEMICAL FAMILY.....Metal Bromide

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### SECTION II - HAZARDOUS INGREDIENTS

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HAZARDOUS INGREDIENTS	OSHA PEL	TLV (Units)	CAS NUMBER
Sodium Bromide	Not Established	10mg/m <sup>3</sup>	7647-15-6

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### SECTION III - PHYSICAL DATA

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BOILING POINT ..... 2534°F  
FREEZING POINT ..... Not Applicable  
VAPOUR PRESSURE ..... Not Applicable  
VAPOUR DENSITY (air=1) ..... Not Applicable  
SOLUBILITY IN H<sub>2</sub>O..... Soluble  
ODOUR AND APPEARANCE ..... White Crystalline or Granular Solid; Odorless  
SPECIFIC GRAVITY ..... 3.2  
pH..... Not Applicable

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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 ..... Inhalation  
SPECIFIC FIRST AID PROCEDURES ..... In case of eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention. Ingestion: Give two glasses of water. Do Not induce vomiting. Get medical attention. Never give anything by mouth to unconscious person. For Skin: Wash contaminated areas with soap and water. If inhaled: Remove to fresh air.  
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 ..... Product is hygroscopic - avoid contact with water and moist air.  
INCOMPATIBLE MATERIALS ..... Strong acids, bases, oxidizing agents, alkaloidal, and heavy metal salts.  
HAZARDOUS DECOMPOSITION PRODUCTS ..... If strongly overheated, may release bromine.  
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 ..... Sweep or shovel spills into appropriate container for disposal.  
WASTE DISPOSAL ..... Waste solid and solutions resulting from flushing spills should be disposed of at an approved waste disposal facility according to local, state and federal laws and 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 well-ventilated cool, dry area. Keep container closed when not in use.

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## SECTION IX - SPECIAL PRECAUTIONS

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HAZARD CLASS ..... None  
DOT SHIPPING NAME ..... NON-REGULATED  
UN NUMBER ..... NR  
REPORTABLE QUANTITY (RQ) ..... Not Listed

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## REFERENCES

WINTER CLEAR ALGAECIDE  
HMIS H-1 F-0 R-0  
EPA REG. # 3377-53-57787

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