

# Material Safety Data Sheet



## SPECIAL BROMINATOR

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### SECTION I - IDENTIFICATION

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MANUFACTURER'S NAME ..... **Haviland Consumer Products Incorporated**  
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 ..... 4/9/01  
TRADE NAME ..... **SPECIAL BROMINATOR**  
CHEMICAL FAMILY ..... Brominated imidazolidine dione

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### SECTION II - HAZARDOUS INGREDIENTS

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HAZARDOUS INGREDIENTS	OSHA PEL	TLV (Units)	CAS NUMBER
1,3-dibromo-5,5-dimethylhydantoin	Not Established	Not Established	77-48-5

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### SECTION III - PHYSICAL DATA

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BOILING POINT ..... Not Determined  
FREEZING POINT ..... 320oF  
VAPOUR PRESSURE ..... Not Applicable  
VAPOUR DENSITY (air=1) ..... Not Applicable  
SOLUBILITY IN H<sub>2</sub>O ..... Soluble  
ODOUR AND APPEARANCE ..... White/Off-white solid; halogen odor.  
SPECIFIC GRAVITY ..... Not Applicable  
pH ..... Not Determined

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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 ..... Dry chemical, water spray (fog), foam, or carbon dioxide.  
SPECIAL FIRE FIGHTING PROCEDURES ..... Toxic fumes may be liberated. 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. Inhalation and ingestion expected to be harmful.  
PRIMARY ROUTE(S) OF ENTRY ..... Inhalation  
SPECIFIC FIRST AID PROCEDURES ..... CONTACT: Eyes; Immediately flush eyes with plenty of water for at least 15 minutes. Get Medical Attention. Skin; Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Get Medical Attention. INGESTION: Give large quantities of water. Do not induce vomiting. Get Medical Attention. Never give

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anything by mouth to an unconscious person. INHALATION: Remove to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Get Medical Attention.

None Currently Known

EXPOSURE AGGRAVATED MEDICAL  
CONDITIONS

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## SECTION VI - REACTIVITY DATA

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CHEMICAL STABILITY ..... Stable  
CONDITIONS TO AVOID ..... None Established.  
INCOMPATIBLE MATERIALS ..... This product is a strong oxidizing and brominating agent. Avoid contact with aldehydes, strong reducing agents, acids, and ammonia containing products. Avoid contact with metals such as steel, aluminum, iron and copper.  
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 ..... This material is regulated as a hazardous waste material. Waste solid and solutions resulting from flushing spills should be disposed of at an approved hazardous 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 ..... NIOSH approved dust/mist respirator under dusty or irritating conditions.  
VENTILATION ..... Local exhaust.  
PROTECTIVE GLOVES ..... Rubber or PVC  
EYE PROTECTION ..... Safety glasses or chemical goggles.  
OTHER PROTECTIVE EQUIPMENT ..... Flowing water source should be available. Prevent contact with skin & clothes by using protective garments.  
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 ..... Oxidizer - 5.1 - P.G.II  
DOT SHIPPING NAME ..... Oxidizing solid NOS(Brominator)  
UN NUMBER ..... UN1479  
REPORTABLE QUANTITY (RQ) ..... Not Listed If less than 66 pound carton of 2.2 pound or less containers this product may be shipped ORM-D (Non-regulated)

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REFERENCES

HMIS RATING; H-3, F-0, R-0, PPE-F EPA  
REG. # 3377-61-57787 ZZ3SPBRO