

HAVILAND CONSUMER PRODUCTS, INC

SAFETY DATA SHEET



Section 1: Identification

Product Name: Hav. Mustard Eliminator Product Code: C002835

Haviland Consumer Products, Inc.
421 Ann Street NW
Grand Rapids, MI 49504
(616) 361-6691

Emergency Phone
CHEMTREC (800) 424-9300
CHEMTREC International (703) 527-3887

Product Use: NA
Not recommended for: NA

Section 2: Hazard(s) Identification

GHS Ratings:

GHS Hazards

GHS Precautions

There are no GHS ratings that apply to this product at this time.

Section 3: Composition/Information on Ingredients

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Sodium bromide 7647-15-6 90 to 100%			

Section 4: First-aid Measures

Inhalation

Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention. To prevent aspiration, keep head below knees.

Eye Contact

Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly.

Skin Contact

Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash clothing separately and clean shoes before reuse.

Ingestion

If swallowed, do NOT induce vomiting. Give victim a glass of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Section 5: Fire-fighting Measures

LEL:

UEL:

Extinguishing Media

Use media suitable for the surrounding fires.
Specific Hazards Arising from the Chemical

None known

Special Protective Equipment and Precautions for Firefighters

Special Information: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Spill and Leak Procedures

Wear appropriate personal protective equipment. Sweep up, place in a bag and hold for waste disposal or possible re-use. Ventilate area and wash spill site after material pickup is complete.

Section 7: Handling and Storage

HANDLING: Use only in a well ventilated area. Avoid breathing vapor, fumes or mist. Avoid contact with eyes, skin, and clothing. Ground and bond containers when transferring material. Always open containers slowly to allow any excess pressure to vent. Follow all SDS/label precautions even after containers are emptied because they may retain product residues.

PESTICIDE STORAGE:

Store in a cool, dry, well-ventilated area, in well-closed original containers, away from energy sources, acids, bases, and heavy metal salts.

Section 8: Exposure Control/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Sodium bromide 7647-15-6			

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant the use of a respirator.

SKIN PROTECTION: Wear impervious protective gloves. Wear protective gear as needed - apron, suit, boots.

EYE PROTECTION: Wear safety glasses with side shields (or goggles) and a face shield.

OTHER PROTECTIVE EQUIPMENT: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

HYGIENIC PRACTICES: Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

Section 9: Physical and Chemical Properties

Appearance: White, crystalline solid Vapor Pressure: Unknown Vapor Density: Unknown Density: Unknown Freezing point: Unknown Boiling range: 1390°C Evaporation rate: Unknown Explosive Limits: Unknown	Odor: Odorless Odor threshold: Unknown pH: Unknown Melting point: 755°C Solubility: Unknown Flash point: Unknown Flammability: Unknown Specific Gravity: Unknown
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Autoignition temperature: Unknown

Viscosity: Unknown

Decomposition temperature: Unknown

Grams VOC less water: Unknown

Section 10: Stability and Reactivity

Chemical Stability:

STABLE

Incompatible Materials

Strong acids, strong oxidants, heavy metal salts. Reacts explosively with bromine trifluoride.

Conditions to Avoid

Excessive heat.

Hazardous Decomposition Products

Hydrogen bromide and sodium oxide

Hazardous Polymerization

Hazardous polymerization will not occur.

Section 11: Toxicology Information

Mixture Toxicity

Oral Toxicity LD50: 3,400mg/kg

Component Toxicity

Routes of Entry:

Inhalation

Ingestion

Skin contact

Eye contact

Effects of Overexposure

Emergency Overview

May cause irritation but expected to be non-hazardous.

Acute Health Effects

Contact with eyes or skin may result in irritation. Ingestion may result in gastric disturbances.

Inhalation may irritate the respiratory tract.

CAS Number

Description

% Weight

Carcinogen Rating

Section 12: Ecological Information

Component Ecotoxicity

Sodium bromide

96 Hr LC50 *Oryzias latipes*: 24000 - 96000 mg/L [flow-through]; 96 Hr LC50 *Oryzias latipes*: 24000 mg/L [semi-static]; 96 Hr LC50 *Poecilia reticulata*: 16000 - 24000 mg/L [flow-through]; 96 Hr LC50 *Poecilia reticulata*: 16000 mg/L [semi-static]; 96 Hr LC50 *Pimephales promelas*: 15614 - 17428 mg/L [static]; 96 Hr LC50 *Lepomis macrochirus*: >1000 mg/L [static]; 96 Hr LC50 *Oncorhynchus mykiss*: 0.054 - 0.081 mg/L [flow-through]; 96 Hr LC50 *Oncorhynchus mykiss*: >1000 mg/L [static]
48 Hr EC50 *Daphnia magna*: 5800 - 48000 mg/L; 48 Hr EC50 *Daphnia magna*: 5700 - 10800 mg/L [Static]
96 Hr EC50 *Scenedesmus pannonicus*: 5800 - 24000 mg/L

Section 13: Disposal Considerations

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Section 14: Transportation Informations

Refer to Bill of Lading or container label for DOT or other transportation hazard classification, if any.

Section 15: Regulatory Information

EPA Reg. No. 69470-31-57787

FIFRA information:

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION

HARMFUL IF SWALLOWED

HARMFUL IF ABSORBED THROUGH SKIN

This pesticide is toxic to fish and aquatic organisms.

Country**Regulation****All Components Listed****Section 16: Other Information**

Date Prepared: 7/7/2015

Reviewer Revision

Disclaimer

The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its affiliates or subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our SDS are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated SDS for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.