

**HAVILAND CONSUMER PRODUCTS, INC
SAFETY DATA SHEET**



Section 1: Identification

Product Name: Hav. Combat 10 Product Code: C003008

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:

Eye corrosive 2B Mild eye irritant: Subcategory 2B, Reversible in 7 days

GHS Hazards

H320 Causes eye irritation

GHS Precautions

P264 Wash face, hands, and any exposed skin thoroughly after handling
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P337+P313 If eye irritation persists get medical advice/attention

Warning

Section 3: Composition/Information on Ingredients

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Poly [oxyethylene (dimethyliminio)ethylene (dimethyliminio)ethylene dichloride] 31512-74-0 5 to 10%			

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

Flash Point: 100 C (212 F)

LEL:

UEL:

Extinguishing Media

Water spray, foam, carbon dioxide, dry chemical

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

Block any potential routes to water systems. Recover as much of the pure product as possible into appropriate containers. Use absorbent to collect spill or leak residue. Follow all local, state and federal regulations.

Section 7: Handling and Storage

Handling Procedures

Use with adequate ventilation. Avoid breathing dusts, mists, and vapors. Do not get in eyes, on skin, or on clothing. Wear eye protection and protective clothing. Wash thoroughly after handling.

Pesticide Storage: Keep container closed when not in use. Leaking or damaged containers should be placed in a plastic bag and discarded in trash. Mop up spills with clear water. All pesticides should be kept out of reach of children and stored away from food.

Section 8: Exposure Control/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Poly [oxyethylene (dimethyliminio)ethylene (dimethyliminio)ethylene dichloride] 31512-74-0			

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.

HYGENIC 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

<p>Odor threshold: Unknown pH: 5.0 - 7.0 Melting point: < 0°C (32°F) Solubility: Easily soluble in water Flash point: Unknown Flammability: Unknown Specific Gravity: 1.025 Decomposition temperature: Unknown Grams VOC less water: Unknown Odor: Mild odor</p>	<p>Vapor Density: Unknown Density: Unknown Freezing point: Unknown Boiling range: > 100°C (212°F) Evaporation rate: Unknown Explosive Limits: Unknown Autoignition temperature: Unknown Viscosity: Unknown Appearance: Clear yellow liquid Vapor Pressure: Unknown</p>
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Section 10: Stability and Reactivity

Chemical Stability:

STABLE

Incompatible Materials

Anionic polymers.

Conditions to Avoid

None known

Hazardous Decomposition Products

Carbon monoxide.

Hazardous Polymerization

Hazardous polymerization will not occur.

Section 11: Toxicology Information

Mixture Toxicity

Inhalation Toxicity LC50: 29mg/L

Component Toxicity

31512-74-0 Poly [oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride]
Oral LD50: 1,850 mg/kg (Rat) Dermal LD50: 2,000 mg/kg (Rabbitt)

Routes of Entry:

Inhalation
Ingestion
Skin contact
Eye contact

Target Organs

Effects of Overexposure

Emergency Overview

May cause mild eye irritation.

Health Effects

Slightly hazardous in case of eye or skin contact (irritant).

CAS Number

Description

% Weight

Carcinogen Rating

Section 12: Ecological Information

Component Ecotoxicity

Section 13: Disposal Considerations

Pesticide Disposal: Pesticide wastes may be 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.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent). Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

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. 57787-11

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.

Causes moderate eye irritation.

Harmful if swallowed or absorbed through the skin.

Avoid breathing vapors.

Avoid contact with skin, eyes or clothing.

Wear chemical-resistant eyewear.

This pesticide is toxic to fish.

Country

Regulation

All Components Listed

Section 16: Other Information

Date Prepared: 7/8/2015

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.