

HAVILAND CONSUMER PRODUCTS, INC
SAFETY DATA SHEET



Section 1: Identification

Product Name: Caribbean Blue Kill & Clear Product Code: C005162

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

Emergency Phone
CHEMTREC: Canada and USA - (800) 424-9300
CHEMTREC: In Mexico - 01-800-681-9531

Product Use: NA
Not recommended for: NA

Section 2: Hazard(s) Identification

GHS Ratings:

Oral Toxicity	Acute Tox. 4	Oral>300+<=2000mg/kg
Inhalation Toxicity	Acute Tox. 4	Gases>2500+<=5000ppm, Vapors>10+<=20mg/l, Dusts&mists>1+<=5mg/l
Skin corrosive	1A	Destruction of dermal tissue: Exposure < 3 min. Observation < 1 hour, visible necrosis in at least one animal
Eye corrosive	2B	Mild eye irritant: Subcategory 2B, Reversible in 7 days
Skin sensitizer	1A	Skin sensitizer
Aquatic toxicity	A1	Acute toxicity <= 1.00 mg/l

GHS Hazards

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H320	Causes eye irritation
H332	Harmful if inhaled
H400	Very toxic to aquatic life

GHS Precautions

P260	Do not breathe dust/fume/gas/mist/vapors/spray
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P264	Wash face, hands, and any exposed skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P271	Use only outdoors or in a well-ventilated area
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
P310	Immediately call a POISON CENTER or doctor/physician
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P321	Specific treatment (see first aid treatment on SDS)
P330	Rinse mouth
P363	Wash contaminated clothing before reuse
P391	Collect spillage

P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
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
P405	Store locked up
P501	Dispose of contents/container in accordance with local/regional/national/international regulations

Danger



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 20 to 30%			
Copper, [[2,2',2''-(nitriilo-.kappa.N)tris [ethanol-.kappa.O]](2-)]- 82027-59-6 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
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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
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Handling Procedures

Use with adequate ventilation. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling.

Pesticide Storage: Keep this product dry in a tightly sealed container when not in use. Store in a cool, dry, well-ventilated area away from heat or open flame. In case of decomposition, isolate container (if possible) and flood area with large amounts of water to dissolve all material before discarding the container.

Section 8: Exposure Control/Personal Protection
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Poly [oxyethylene (dimethyliminio)ethylene (dimethyliminio)ethylene dichloride] 31512-74-0			
Copper, [[2,2',2''-(nitriilo-.kappa.N)tris [ethanol-.kappa.O]](2-)]- 82027-59-6			

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.

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>Flammability: Unknown Specific Gravity 1.195 Decomposition temperature: Unknown Grams VOC less water: Unknown Odor: Mild odor Odor threshold: Unknown pH: 7.4 Melting point: < 0°C (32°F) Solubility: Easily soluble in water Flash point: Unknown</p>	<p>Explosive Limits: Unknown Autoignition temperature: Unknown Viscosity: Unknown Appearance: Dark blue liquid Vapor Pressure: Unknown Vapor Density: Unknown Density: Unknown Freezing point: Unknown Boiling range: > 100°C (212°F) Evaporation rate: Unknown</p>
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Section 10: Stability and Reactivity

Chemical Stability:

STABLE

Incompatible Materials

Anionic polymers. Oxidizers.

Conditions to Avoid

None known

Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide. Oxides of nitrogen.

Hazardous Polymerization

Hazardous polymerization will not occur.

Section 11: Toxicology Information

Mixture Toxicity

Oral Toxicity LD50: 2,834mg/kg

Inhalation Toxicity LC50: 5mg/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 (Rabbit)

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: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. 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 Information

This is a water treatment compound and non-regulated for land transport.

Section 15: Regulatory Information

EPA Reg. No. 57787-25

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.

Harmful if inhaled.

Causes moderate eye irritation.

Avoid breathing vapors.

Avoid contact with eyes, skin, or clothing.

This product is toxic to fish and aquatic invertebrates and may contaminate water through runoff.

Country

Regulation

All Components Listed

Section 16: Other Information

Date Prepared: 1/29/2019

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.

SDS for: 1.C005162