

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



**Section 1: Identification**

Product Name: Proteam New Superfloc    Product Code: C004600

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
Aquatic toxicity	A2	Acute toxicity > 1.00 but <= 10.0 mg/l

**GHS Hazards**

H320	Causes eye irritation
H401	Toxic to aquatic life

**GHS Precautions**

P264	Wash face, hands, and any exposed skin thoroughly after handling
P273	Avoid release to the environment
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
P501	Dispose of contents/container in accordance with local/regional/national/international regulations

**Warning**

**Section 3: Composition/Information on Ingredients**

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Aluminum chloride hydroxide (Al <sub>2</sub> Cl(OH) <sub>5</sub> ) 12042-91-0 20 to 30%			
Trade Secret 5 to 10%	2 mg/m <sup>3</sup> TWA	1 mg/m <sup>3</sup> TWA	NIOSH: 2 mg/m <sup>3</sup> Ceiling (15 min)

**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**

**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**

Stop flow if possible. Soak up small spills with dry sand, clay or diatomaceous earth. Dike large spills, and cautiously dilute and neutralize with lime or soda ash, and transfer to waste water treatment system. Prevent liquid from entering sewers, waterways, or low areas.

**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.

**STORAGE:** Keep away from heat, sparks, and flame. Store containers in a cool, well ventilated place. Keep container closed when not in use. Protect from direct sunlight.

**Section 8: Exposure Control/Personal Protection**

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Aluminum chloride hydroxide (Al <sub>2</sub> Cl(OH) <sub>5</sub> ) 12042-91-0			
Trade Secret N/A	2 mg/m <sup>3</sup> TWA	1 mg/m <sup>3</sup> TWA	NIOSH: 2 mg/m <sup>3</sup> Ceiling (15 min)

**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><b>Appearance:</b> Clear purple liquid</p> <p><b>Vapor Pressure:</b> &lt; 20 mm Hg @ 68°F</p> <p><b>Vapor Density:</b> Unknown</p> <p><b>Density:</b> Unknown</p> <p><b>Freezing point:</b> Unknown</p> <p><b>Boiling range:</b> 220°F</p> <p><b>Flammability:</b> Unknown</p> <p><b>Specific Gravity:</b> 1.155</p> <p><b>Decomposition temperature:</b> Unknown</p> <p><b>Grams VOC less water:</b> Unknown</p>	<p><b>Odor:</b> Mild, characteristic odor</p> <p><b>Odor threshold:</b> Unknown</p> <p><b>pH:</b> Unknown</p> <p><b>Melting point:</b> Unknown</p> <p><b>Solubility:</b> Complete</p> <p><b>Evaporation rate:</b> Unknown</p> <p><b>Explosive Limits:</b> Unknown</p> <p><b>Autoignition temperature:</b> Unknown</p> <p><b>Viscosity:</b> Unknown</p> <p><b>Flash point:</b> Unknown</p>
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**Section 10: Stability and Reactivity**

**Chemical Stability:**

STABLE

**Incompatible Materials**

Alkali. Strong oxidizing agents.

**Conditions to Avoid**

Unknown

**Hazardous Decomposition Products**

HCl gas

**Hazardous Polymerization**

Hazardous polymerization will not occur.

**Section 11: Toxicology Information**

**Mixture Toxicity**

Oral Toxicity LD50: 4,285mg/kg

**Routes of Entry:**

- Inhalation
- Ingestion
- Skin contact
- Eye contact

**Eyes                      Central Nervous System                      Skin                      Respiratory System**

**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

123-31-9

Description

Trade Secret

% Weight

5 to 10%

Carcinogen Rating

Trade Secret:

**Section 12: Ecological Information****Component Ecotoxicity**Aluminum chloride hydroxide  
(Al<sub>2</sub>Cl(OH)<sub>5</sub>)

96 Hr LC50 Brachydanio rerio: 100 - 500 mg/L [static]

Trade Secret

96 Hr LC50 Oncorhynchus mykiss: 0.044 mg/L [flow-through]; 96 Hr LC50  
Pimephales promelas: 0.044 mg/L [flow-through]; 96 Hr LC50 Pimephales  
promelas: 0.1 - 0.18 mg/L [static]; 96 Hr LC50 Brachydanio rerio: 0.17 mg/L  
48 Hr EC50 Daphnia magna: 0.29 mg/L  
72 Hr EC50 Pseudokirchneriella subcapitata: 0.335 mg/L**Section 13: Disposal Considerations**

Dispose of in accordance with local, state and federal regulations.

**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****CERCLA/SARA Hazardous Substances**

Trade Secret

**SARA 313**

Trade Secret

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

Date Prepared: 7/23/2015

**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.