HAVILAND CONSUMER PRODUCTS, INC
SAFETY DATA SHEET

Section 1: Identification

Product Name: Hav. Super Fall Out Product Code: C002769

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 (Al2Cl(OH)5) 12042-91-0 20 to 30%			
Proprietary 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

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
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 s

Section 8: Exposure Control/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Aluminum chloride hydroxide (Al2Cl(OH)5) 12042-91-0			
Proprietary			

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

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

Section 10: Stability and Reactivity

Chemical Stability:

STABLE

Incompatibile 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
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

Aluminum chloride hydroxide (Al2Cl(OH)5)	96 Hr LC50 Brachydanio rerio: 100 - 500 mg/L [static]

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

TSCA 8(b) Inventory

25988-97-0 Methanamine, N-methyl-, polymer with (chloromethyl)oxirane
12042-91-0 Aluminum chloride hydroxide (Al2Cl(OH)5)

Country	Regulation	All Components Listed

Section 16: Other Information

Date Prepared: 6/2/2015

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.