

HAVILAND CONSUMER PRODUCTS, INC

SAFETY DATA SHEET



Section 1: Identification

Product Name: Hav. Multi Shock Extra Product Code: C005321

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: Disinfectant, Sanitizer, Algaecide
Not recommended for:

Section 2: Hazard(s) Identification

GHS Ratings:

Oxidizing solid	3	Oxidizing solid class 3
Oral Toxicity	Acute Tox. 4	Oral>300+<=2000mg/kg
Inhalation Toxicity	Acute Tox. 3	Gases>500+<=2500ppm, Vapors>2+<=10mg/l, Dusts&mists>0.5+<=1mg/l
Skin corrosive	1C	Destruction of dermal tissue: Exposure < 4 hours Observation < 14 days, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Organ toxin single exposure	3	Transient target organ effects- Narcotic effects- Respiratory tract irritation
Aquatic toxicity	A1	Acute toxicity <= 1.00 mg/l

GHS Hazards

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H331	Toxic if inhaled
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life

GHS Precautions

P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P220	Keep/Store away from clothing and other combustible materials
P221	Take any precaution to avoid mixing with combustibles
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

P311	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 inhales: 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.
P370+P378	In case of fire: Use suitable media for extinction
P405	Store locked up
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
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
Sodium dichloro-s-triazinetriene 2893-78-9 50 to 60%			
Trade Secret 40 to 50%			

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

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

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
Sodium dichloro-s-triazinetriene 2893-78-9			
Trade Secret			

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: White Powder Vapor Pressure: <0.06 Pa @ 20°C Vapor Density: Not Available Density: 55-57 lbs/ft3 Freezing point: Not Available Boiling range: Not Available Evaporation rate: Not Available Explosive Limits: Not Flammable Autoignition temperature: Not Available Viscosity: Not Available	Odor: Slight Chlorine Odor Odor threshold: Not Available pH: 9-10 Melting point: Decomposes without melting 252°C Solubility: 24.3 g/100 g @ 25°C Flash point: Not Available Flammability: Not Flammable Specific Gravity: Not Available Decomposition temperature: 486°F (252°C) Grams VOC less water: Not Available
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Section 10: Stability and Reactivity

Chemical Stability:

STABLE

Incompatible Materials

Conditions to Avoid

Hazardous Decomposition Products

Hazardous Polymerization

Hazardous polymerization will not occur.

Section 11: Toxicology Information

Mixture Toxicity

Oral Toxicity LD50: 1,137mg/kg

Inhalation Toxicity LC50: 5mg/L

Component Toxicity

Routes of Entry:

Inhalation

Ingestion

Skin contact

Eye contact

Target Organs

Effects of Overexposure

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
Section 12: Ecological Information			
Component Ecotoxicity			
Sodium dichloro-s-triazinetriene	96 Hr LC50 Lepomis macrochirus: 0.25 - 1 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 0.207 - 0.389 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 0.176 - 0.267 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 0.29 mg/L; 96 Hr LC50 Oncorhynchus mykiss: 0.13 - 0.36 mg/L [static] 48 Hr EC50 Daphnia magna: 0.00018 - 0.00021 mg/L; 48 Hr EC50 Daphnia magna: 0.093 - 0.16 mg/L		
Trade Secret	96 Hr LC50 Lepomis macrochirus: 300 mg/L [static]; 96 Hr LC50 Pimephales promelas: 310 - 1220 mg/L [static] 48 Hr EC50 Daphnia magna: 265 mg/L		
Section 13: Disposal Considerations			
Dispose of in accordance with local, state and federal regulations.			
Section 14: Transportation Information			
Refer to Bill of Lading or container label for DOT or other transportation hazard classification, if any .			
Section 15: Regulatory Information			

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
Section 16: Other Information		

Date Prepared: 1/30/2017

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.