

HAVILAND CONSUMER PRODUCTS, INC.
SAFETY DATA SHEET



Section 1: Identification

Product Name: Proteam Zip Chlor Product Code: C002322

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:

Oxidizing solid	2	Oxidizing solid class 2
Oral Toxicity	Acute Tox. 4	Oral>300+<=2000mg/kg
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Organ toxin single exposure	2	Presumed to be harmful to human health- Animal studies with significant toxic effects relevant to humans at generally moderate exposure (guidance) - Human evidence in exceptional cases
Aquatic toxicity	A1	Acute toxicity <= 1.00 mg/l

GHS Hazards

H272	May intensify fire; oxidizer
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H371	May cause damage to organs
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
P264	Wash face, hands, and any exposed skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
P321	Specific treatment (see first aid treatment on SDS)
P330	Rinse mouth
P362	Take off contaminated clothing and wash before reuse
P391	Collect spillage

P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P302+P352	IF ON SKIN: Wash with soap and water
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P309+P311	IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician
P332+P313	If skin irritation occurs: Get medical advice/attention
P337+P313	If eye irritation persists get medical advice/attention
P370+P378	In case of fire: Use suitable media for extinction
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
Sodium dichloro-s-triazinetriene 2893-78-9 90 to 100%			

Section 4: First-aid Measures

Inhalation

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advise.

Eye Contact

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advise.

Skin Contact

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center of doctor for treatment advice.

Ingestion

Call poison control center, or doctor immediately for treatment advise. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Notes to Physician

Probable mucosal damage may contraindicate the use of gastric lavage.

Section 5: Fire-fighting Measures

LEL:

UEL:

Suitable Extinguishing Media

Flood with water.

Unsuitable Extinguishing Media

Do not use ABC fire extinguishers. Do not use dry chemicals, carbon dioxide, or halogenated extinguishing agents.

Specific Hazards Arising from the Chemical

Negligible fire hazard. If heated by outside source to temperatures above 240°C (464°F), this product will undergo decomposition with the evolution of noxious gases but no visible flame. Wet material may generate nitrogen trichloride, an explosion hazard.

Special Protective Equipment and Precautions for Firefighters

Consider evacuation of personnel located downwind. Keep unnecessary people away, isolate hazard area and deny entry. Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. Wear NIOSH approved positive-pressure self-contained breathing apparatus operated in pressure demand mode. Material which appears undamaged except for being damp on the outside, should be opened and inspected immediately. DO NOT attempt to reseal contaminated drums. Damp material should be neutralized to a non-oxidizing state.

Section 6: Accidental Release Measures

Keep unnecessary people away, isolate hazard area and deny entry. DO NOT add water to spilled material. DO NOT use floor sweeping compounds to clean up spills. Sweep and scoop spilled material into clean, dedicated equipment. Every attempt should be made to avoid mixing spilled material with other chemicals or debris when cleaning up. DO NOT attempt to reseal contaminated drums. DO NOT transport wet or damp material. Damp material should be neutralized to a non-oxidizing state. Keep out of water supplies and sewers. Releases should be reported, if required, to appropriate agencies.

Section 7: Handling and Storage

Precautions for safe handling

Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or dust when opening container. Avoid creation of dust. Wash thoroughly after handling. NEVER add water to this product. Always add product to large quantities of water. Use clean, dry utensils. Do not add the product to any dispensing device containing residuals of other products.

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

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
-------------------------	----------------------	-----------------------	-----------------------

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

Engineering Controls

Use only in well-ventilated areas. Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable exposure limits.

Eye Protection

Wear chemical safety goggles.

Skin and Body Protection

Wear chemical resistant gloves. Wear protective clothing to minimize skin contact. When potential for contact with dry material exists, wear disposable coveralls suitable for dust exposure. Contaminated clothing should be removed and laundered before reuse.

Respiratory Protection

A NIOSH approved respirator with N95 (dust, fume, mist) cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure.

Other Protective Equipment

Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Section 9: Physical and Chemical Properties

<p>Appearance: Granules</p> <p>Vapor Pressure: Unknown</p> <p>Vapor Density: Unknown</p> <p>Density: 16.69 lbs/gallon</p> <p>Freezing point: Unknown</p> <p>Boiling range: Unknown</p> <p>Evaporation rate: Unknown</p> <p>Explosive Limits: Unknown</p> <p>Autoignition temperature: Unknown</p> <p>Viscosity: Unknown</p>	<p>Odor: Chlorine-like odor</p> <p>Odor threshold: Unknown</p> <p>pH: 6.6</p> <p>Melting point: 464°F</p> <p>Solubility: Unknown</p> <p>Flash point: Unknown</p> <p>Flammability: Unknown</p> <p>Specific Gravity: Unknown</p> <p>Decomposition temperature: 464°F</p> <p>Grams VOC less water: Unknown</p>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Section 10: Stability and Reactivity

Chemical Stability

STABLE

Incompatible Materials:

Acids, ammonia, bases, floor sweeping compounds, calcium hypochlorite, reducing agents, organic solvents and compounds.

Conditions to Avoid:

Do not get water inside container. Wet material may generate nitrogen trichloride, an explosion hazard. Avoid contact with easily oxidizable organic material.

Hazardous Decomposition Products:

Chlorine, nitrogen, nitrogen trichloride, cyanogen chloride, oxides of carbon, phosgene.

Hazardous polymerization will not occur.

Section 11: Toxicology Information

Mixture Toxicity

Oral Toxicity LD50: 756mg/kg

Routes of Entry

Effects of Overexposure

Carcinogenicity

This product does not contain any ingredients considered to be carcinogenic by NTP, IARC, or OSHA .

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

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 Disposal: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Offer for recycling, if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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. 57787-6

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:

DANGER

Corrosive:

Causes irreversible eye damage.

May be fatal if inhaled.

Harmful or fatal if swallowed or absorbed through skin.

This pesticide is toxic to fish and aquatic organisms.

Section 16: Other Information

Date Prepared: 7/22/2015

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.