HAVILAND CONSUMER PRODUCTS, INC. SAFETY DATA SHEET



Section 1: Identification

Product Name: Spa Pure Gran Chlorine Product Code: C002310

Haviland Consumer Products, Inc. 421 Ann Street NW Grand Rapids, MI 49504

Grand Rapids, MI 4950 (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

Keep away from heat/sparks/open flames/hot surfaces – No smoking
Keep/Store away from clothing and other combustible materials
Take any precaution to avoid mixing with combustibles
Do not breathe
dust/fume/gas/mist/vapors/spray
Wash face, hands, and any exposed
skin thoroughly after handling
Do not eat, drink or smoke when using
this product
Avoid release to the environment
Wear protective gloves/protective clothing/eye protection/face protection
Specific treatment (see first aid
treatment on SDS)
Rinse mouth
Take off contaminated clothing and wash before reuse
Collect spillage

SDS for: 1.C002310.CS20B2.Std.4 Page 1 of 6

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel P302+P352 IF ON SKIN: Wash with soap and water P305+P351+P33 IF IN EYES: Rinse cautiously with 8 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-			
triazinetrione			
2893-78-9			
90 to 100%			
Trade Secret			
0.1 to 1.0%			

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.

SDS for: 1.C002310.CS20B2.Std.4 Page 2 of 6

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.

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

SDS for: 1.C002310.CS20B2.Std.4 Page 3 of 6

Printed: 7/23/2015 at 3:43:53PM

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Sodium dichloro-s-			
triazinetrione			
2893-78-9			
Trade Secret			
N/A			

Engineering Controls

Use only in well-veltilated 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

Appearance: Granules Odor: Chlorine-like odor

Vapor Pressure: Unknown Odor threshold: Unknown

Vapor Density: Unknown pH: 6.6

Density: 16.69 lbs/gallon Melting point: 464°F

Freezing point: Unknown Solubility: Unknown

Boiling range: Unknown

Evaporation rate: Unknown

Flash point: Unknown

Flammability: Unknown

Explosive Limits: Unknown Specific Gravity Unknown

Autoignition temperature: Unknown

Viscosity: Unknown

Decomposition temperature: 464°F

Grams VOC less water: Unknown

Section 10: Stability and Reactivity

Chemical Stability

STABLE

Incompatibile 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:

SDS for: 1.C002310.CS20B2.Std.4 Page 4 of 6

Hazardous polymerization will not occur.

Section 11: Toxicology Information

Mixture Toxicity

Oral Toxicity LD50: 756mg/kg

Component Toxicity

Routes of Entry

Effects of Overexposure

Carcinogenicity

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

<u>CAS Number</u> <u>Description</u> <u>% Weight</u> <u>Carcinogen Rating</u>

Section 12: Ecological Information

Component Ecotoxicity

Sodium dichloro-s-triazinetrione 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: 5560 - 6080 mg/L [flow-through]; 96 Hr LC50

Lepomis macrochirus: 12946 mg/L [static]; 96 Hr LC50 Pimephales promelas: 6020 - 7070 mg/L [static]; 96 Hr LC50 Pimephales promelas: 7050 mg/L [semistatic]; 96 Hr LC50 Pimephales promelas: 6420 - 6700 mg/L [static]; 96 Hr LC50

Oncorhynchus mykiss: 4747 - 7824 mg/L [flow-through]

48 Hr EC50 Daphnia magna: 1000 mg/L; 48 Hr EC50 Daphnia magna: 340.7 -

469.2 mg/L [Static]

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

 $\label{lem:container} \textbf{Refer to bill of lading or container label for DOT or other transportation hazard classification, if any .}$

SDS for: 1.C002310.CS20B2.Std.4 Page 5 of 6

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.

Country Regulation All Components Listed

Section 16: Other Information

Date Prepared: 7/23/2015

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.

SDS for: 1.C002310.CS20B2.Std.4 Page 6 of 6

Printed: 7/23/2015 at 3:43:53PM

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



Section 1: Identification

Product Name: Spa Pure Spa Oxidizing Shock Product Code: C002475

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:

Oral Toxicity Acute Tox. 4 Oral>300+<=2000mg/kg

Skin corrosive 1B Destruction of dermal tissue: Exposure < 1 hour 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

Aquatic toxicity A3 Acute toxicity <= 10.0 but < 100 mg/l

GHS	Hazard	S

H302	Harmful if swallowed
H314	Causes severe skin burns and
	eye damage
H318	Causes serious eye damage
H402	Harmful to aquatic life

ı	GHS Precautions	
н		7

GHS Precaution	<u>18</u>
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
P310	Immediately call a POISON CENTER or
	doctor/physician
P321	Specific treatment (see first aid
	treatment on SDS)
P330	Rinse mouth
P363	Wash contaminated clothing before
	reuse
P301+P312	IF SWALLOWED: Call a POISON
	CENTER or doctor/physician if you feel
	unwell
P301+P330+P33	IF SWALLOWED: Rinse mouth. Do
1	NOT induce vomiting
P303+P361+P35	IF ON SKIN (or hair): Remove/Take off
3	immediately all contaminated clothing.
D004 - D040	Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air
	and keep at rest in a position
	comfortable for breathing

SDS for: 1.C002475.CS20B7.Std.5 Page 1 of 5 P305+P351+P33 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
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
Trade Secret 90 to 100%			
Trade Secret 1 to 5%			
Trade Secret 1 to 5%			

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		
IFI:	UFI:	

Extinguishing Media

Use media suitable for the surrounding fires. 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.

SDS for: 1.C002475.CS20B7.Std.5 Page 2 of 5

Section 6: Accidental Release Measures

Spill and Leak Procedures

Wear appropriate protective equipment and clothing during clean up . Sweep spill and transfer material into appropriate container(s) for disposal. Flush spill area with water.

Section 7: Handling and Storage

Handling Procedures

Use with adequate ventilation. Avoid breathing dusts. Do not get in eyes, on skin, or on clothing. Wear eye protection and protective clothing. Wash thoroughly after handling. Avoid dust formation. Keep away from heat, sparks, and flames.

STORAGE:

Keep product tightly sealed in original containers. Store product in a cool, dry, well-ventilated area. Store away from combustible or flammable products. Keep product packaging clean and free of all contamination.

Section 8: Exposure Control/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Trade Secret N/A			
Trade Secret N/A			
Trade Secret N/A			

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 granular Odor: none Vapor Pressure: Unknown Odor threshold: Unknown Vapor Density: Unknown pH: 2.1 at 30 g/l 20°C Density: Unknown Melting point: Unknown Freezing point: Unknown Solubility: Unknown Boiling range: Unknown Flash point: Unknown Evaporation rate: Unknown Flammability: Unknown **Explosive Limits:** Unknown Specific Gravity 2.35 Autoignition temperature: Unknown **Decomposition temperature:** Unknown Viscosity: Unknown Grams VOC less water: Unknown

Section 10: Stability and Reactivity

SDS for: 1.C002475.CS20B7.Std.5 Page 3 of 5

Chemical Stability:

STABLE

Incompatibile Materials

Compounds containing halide or active halogens. Cyanides. Heavy metal salts.

Conditions to Avoid

Excessive heat.

Hazardous Decomposition Products

Oxygen. Sulfur dioxide gas. Sulfur trioxide.

Hazardous Polymerization

Hazardous polymerization will not occur.

Section 11: Toxicology Information

Mixture Toxicity

Oral Toxicity LD50: 1,198mg/kg

Component Toxicity

Health Effects

This product is severely irritating to the eyes and may cause burns and irreversible damage. Contact with the skin or mucous membranes may cause irritation or burns. This product will cause irritation to the throat, esophagus, and gastrointestinal tract if it is swallowed. Inhalation of dusts of this product may cause irritation or burns to the nasal passages and respiratory tract.

Routes of Entry:

Inhalation Ingestion Skin contact Eye contact

Target Organs

Effects of Overexposure

Emergency Overview

Corrosive to eyes and skin. Harmful if swallowed. Inhalation may cause damage to the upper respiratory tract.

CAS Number Description % Weight Carcinogen Rating

Section 12: Ecological Information

Component Ecotoxicity

Trade Secret 96 Hr LC50 Brachydanio rerio: >32 mg/L [semi-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

SDS for: 1.C002475.CS20B7.Std.5 Page 4 of 5

Country Regulation All Components Listed

Section 16: Other Information

Date Prepared: 7/24/2015

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.

SDS for: 1.C002475.CS20B7.Std.5

Printed: 7/24/2015 at 3:27:30PM

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



Section 1: Identification

Product Name: Spa Pure pH Down Product Code: C002625

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:

Skin corrosive 1C Destruction of dermal tissue: Exposure < 4 hours

> Observation < 14 days, visible necrosis in at least one animal Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5

Eye corrosive 1

GHS Hazards

H314	Causes severe skin burns and	P260	Do not breathe
	eve damage		dust/fume/gas/m

H318 Causes serious eye damage

	dust/fume/gas/mist/vapors/spray
P264	Wash face, hands, and any exposed
	skin thoroughly after handling
P280	Wear protective gloves/protective
	clothing/eye protection/face protection
P310	Immediately call a POISON CENTER or
	doctor/physician

P321 Specific treatment (see first aid

treatment on SDS)

P363 Wash contaminated clothing before

reuse

P301+P330+P33 IF SWALLOWED: Rinse mouth. Do

NOT induce vomiting

P303+P361+P35

GHS Precautions

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.

P304+P340 IF INHALED: Remove victim to fresh air

> and keep at rest in a position comfortable for breathing

Rinse skin with water/shower

P305+P351+P33

IF IN EYES: Rinse cautiously with

water for several minutes. Remove contact lenses if present and easy to

do - continue rinsing

P405 Store locked up

P501 Dispose of contents/container in

accordance with

local/regional/national/international

regulations

SDS for: 1.C002625.BT01PT.Std.4 Page 1 of 5

Danger



Section 3: Composition/Information on Ingredients

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Trade Secret			
80 to 90%			

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

Use media suitable for the surrounding fires. Avoid water contact with material if possible.

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

Wear appropriate protective equipment and clothing during clean up. Vacuuming or wet sweeping may be used to avoid dust dispersal. Place material into appropriate container for disposal or recovery. Flush spill area with water.

Section 7: Handling and Storage

HANDLING: Use only in a well ventilated area. Avoid breathing vapor, fumes or mist. Avoid contact with eyes, skin,

and clothing. Ground and bond containers when transferring material. Always open containers slowly to allow any

SDS for: 1.C002625.BT01PT.Std.4 Page 2 of 5

excess pressure to vent. Follow all MSDS/label precautions even after containers are emptied because they may

retain product residues.

STORAGE: Keep away from heat, sparks, and flame. Store containers in a cool, well ventilated place. Keep

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
Trade Secret			
N/A			

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.

 $\textbf{EYE PROTECTION:} \ \ \text{Wear safety glasses with side shields (or goggles) and a face shield} \ .$

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: Off-white granular

material

Vapor Pressure: Unknown

Vapor Density: Unknown

Density: Unknown

Freezing point: Unknown

Boiling range: Unknown

Evaporation rate: Unknown

Explosive Limits: Unknown

Autoignition temperature: Unknown

Viscosity: Unknown

Odor: Fresh to pungent odor

Odor threshold: Unknown

pH: < 1 (5% solution)

Melting point: 350°F (177°C)

Solubility: 1080 g/l @ 68°F (20°C)

Flash point: Unknown

Flammability: Unknown

Specific Gravity Unknown

Decomposition temperature: Unknown

Grams VOC less water: Unknown

Section 10: Stability and Reactivity

Chemical Stability:

STABLE

Incompatibile Materials

Alkali. Dissolves readily in water to form a weak acid solution. Do not mix with liquid chlorine bleach, ammonia cleansers or similar products.

Conditions to Avoid

Avoid conditions of moisture.

Hazardous Decomposition Products

Oxides of sulfur.

Hazardous Polymerization

SDS for: 1.C002625.BT01PT.Std.4 Page 3 of 5

Printed: 7/23/2015 at 3:53:36PM

Hazardous polymerization will not occur.

Saction	44.	Toxicology	Informa	tion
Section		TOXICOLOGY	IIIIOIIII	ILIOI

Mixture Toxicity

Oral Toxicity LD50: 2,490mg/kg

Component Toxicity

Routes of Entry:

Inhalation Ingestion Skin contact Eye contact

Effects of Overexposure

Emergency Overview

Harmful if swallowed. May cause skin and eye irritation.

Acute Health Effects

Contact with eyes or skin may result in irritation. Ingestion may result in gastric disturbances. Inhalation may irritate the respiratory tract.

<u>CAS Number</u> <u>Description</u> <u>% Weight</u> <u>Carcinogen Rating</u>

Section 12: Ecological Information

Component Ecotoxicity

Trade Secret 48 Hr EC50 Daphnia magna: 190 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

Country Regulation All Components Listed

Section 16: Other Information

SDS for: 1.C002625.BT01PT.Std.4 Page 4 of 5

Date Prepared: 7/23/2015

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.

SDS for: 1.C002625.BT01PT.Std.4 Page 5 of 5

Printed: 7/23/2015 at 3:53:36PM

HAVILAND CONSUMER PRODUCTS, INC SAFETY DATA SHEET



Section 1: Identification

Product Name: Spa Pure pH Up Product Code: C002579

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:

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	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

GHS Hazards

H314	Causes severe skin burns and
	eye damage
H318	Causes serious eye damage
H332	Harmful if inhaled
H336	May cause drowsiness or
	dizziness

ı	GHS	Pre	cau	tio	ns
н					

<u> </u>	
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
P271	Use only outdoors or in a well-ventilated
	area
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)
P363	Wash contaminated clothing before
	reuse
P301+P330+P33	IF SWALLOWED: Rinse mouth. Do
1	NOT induce vomiting
P303+P361+P35	IF ON SKIN (or hair): Remove/Take off
3	immediately all contaminated clothing.
	Rinse skin with water/shower

SDS for: 1.C002579.BT01PT.Std.4 Page 1 of 5

P304+P340 IF INHALED: Remove victim to fresh air

and keep at rest in a position

comfortable for breathing

P305+P351+P33 IF IN EYES: Rinse cautiously with

water for several minutes. Remove contact lenses if present and easy to

do – continue rinsing

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
Disodium carbonate			
497-19-8			
90 to 100%			

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, water fog, CO2, dry chemical Specific Hazards Arising from the Chemical Unknown

Special Protective Equipment and Precautions for Firefighters

SDS for: 1.C002579.BT01PT.Std.4 Page 2 of 5

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

Wear appropriate protective equipment and clothing during clean up. Vacuuming or wet sweeping may be used to avoid dust dispersal. Place material into appropriate container for disposal or recovery.

Section 7: Handling and Storage

HANDLING: Use only in a well ventilated area. Avoid breathing vapor, fumes or mist. Avoid contact with eves. skin.

and clothing. Ground and bond containers when transferring material. Always open containers slowly to allow any

excess pressure to vent. Follow all MSDS/label precautions even after containers are emptied because they may

retain product residues.

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
Disodium carbonate			
497-19-8			

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, granular solid **Odor:** Odorless Vapor Pressure: Unknown Odor threshold: Unknown Vapor Density: Unknown **pH**: 11.4 (1% solution) **Density:** Unknown Melting point: 851°C (1564°F) Freezing point: Unknown Solubility: 33.2% maximum Flash point: Unknown Boiling range: Decomposes Evaporation rate: Unknown Flammability: Unknown **Explosive Limits: Unknown** Specific Gravity Unknown Autoignition temperature: Unknown **Decomposition temperature: Unknown**

SDS for: 1.C002579.BT01PT.Std.4 Page 3 of 5

Viscosity: Unknown Grams VOC less water: Unknown

Section 10: Stability and Reactivity

Chemical Stability:

STABLE

Incompatibile Materials

Aluminum powder, acids, fluorine, molten lithium

Conditions to Avoid

None known

Hazardous Decomposition Products

Heated to decomposition, it emits fumes of sodium oxide.

Hazardous Polymerization

Hazardous polymerization will not occur.

Section 11: Toxicology Information

Mixture Toxicity

Oral Toxicity LD50: 4,090mg/kg Dermal Toxicity LD50: 2,210mg/kg Inhalation Toxicity LC50: 2mg/L

Component Toxicity

497-19-8

Disodium carbonate

Oral LD50: 4,090 mg/kg (Rat) Dermal LD50: 2,210 mg/kg (Mouse) Inhalation LC50: 2,300 mg/m3

Routes of Entry:

Inhalation Ingestion Skin contact Eye contact

Effects of Overexposure

Emergency Overview

Harmful if swallowed. May cause skin and eye irritation.

Acute Health Effects

Contact with eyes or skin may result in irritation. Ingestion may result in gastric disturbances. Inhalation may irritate the respiratory tract.

<u>CAS Number</u> <u>Description</u> <u>% Weight</u> <u>Carcinogen Rating</u>

Section 12: Ecological Information

Component Ecotoxicity

Disodium carbonate 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 Informations

SDS for: 1.C002579.BT01PT.Std.4 Page 4 of 5

Refer to Bill of Lading or container label for DOT or other transportation hazard classification, if any.

Section 15: Regulatory Information

Country Regulation All Components Listed

Section 16: Other Information

Date Prepared: 7/23/2015

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.

SDS for: 1.C002579.BT01PT.Std.4 Page 5 of 5

Printed: 7/23/2015 at 3:52:35PM

HAVILAND CONSUMER PRODUCTS, INC SAFETY DATA SHEET



Section 1: Identification

Product Name: Spa Pure Stain & Scale Prev. Product Code: C003249

Haviland Consumer Products, Inc. 421 Ann Street NW Grand Rapids, MI 49504

421 Allii Sileet NW Grand Rapids, MI 49504 (616) 361-6691

Product Use: Spa use

Not recommended for: No data available

Organ toxin single exposure

Emergency Phone

CHEMTREC (800) 424-9300

CHEMTREC International (703) 527-3887

Section 2: Hazard(s) Identification

GHS Ratings:

Corrosive to metals 1 Corrosive to metals

2

Eye corrosive 1 Serious eye damage: Irreversible damage 21 days after

exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5

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 C3 Acute toxicity > 10.0 but <= 100.0 mg/l and lack of rapid

degradability and log Kow >= 4 unless BCF < 500 and

unless chronic toxicity > 1 mg/l

GHS Hazards

H290	May be corrosive to metals
H318	Causes serious eye damage
H371	May cause damage to organs
H412	Harmful to aquatic life with long

lasting effects

GHS Precautions

GIIS FIECAULIOIIS	<u>'</u>
P234	Keep only in original container
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
P310	Immediately call a POISON CENTER or
	doctor/physician
P390	Absorb spillage to prevent material
	damage
P305+P351+P33	IF IN EYES: Rinse cautiously with
8	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
P405	Store locked up
P406	Store in a corrosive resistant container

with a resistant inner liner

SDS for: 1.C003249.CS40P.Std.4 Page 1 of 5

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
1-Hydroxyethane-1,1-			
diphosphonic acid			
2809-21-4			
10 to 20%			

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 medical attention if breathing difficulties develop

or persist.

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 if irritation occurs. 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. Use water spray to cool fire exposed containers.

Section 6: Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASE OR SPILLED: Block any potential routes to

SDS for: 1.C003249.CS40P.Std.4 Page 2 of 5

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

HANDLING: Avoid contact with eyes, skin, and clothing. Wear eye protection and protective clothing. Wash thoroughly after handling.

STORAGE: Keep containers tightly closed when not in use and protect from damage. Store in a cool, well-ventilated area.

Section 8: Exposure Control/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
1-Hydroxyethane-1,1-			
diphosphonic acid			
2809-21-4			

ENGINEERING CONTROLS: Provide dilution ventilation to control vapor and/or mist level.

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, colorless to pale

yellow liquid

Vapor Pressure: 17 mmHg @ 20°C

(68°F)

Vapor Density: Unknown

Density: Unknown

Freezing point: Unknown

Boiling range: > 100°C (> 212°F)

Evaporation rate: Unknown

Explosive Limits: Unknown

•

Autoignition temperature: Unknown

Viscosity: Unknown

Odor: Mild, vinegar-like odor

Odor threshold: Unknown

pH: < 2 (1% solution)

Melting point: Unknown

Solubility: Complete

Flash point: Unknown
Flammability: Unknown

Specific Gravity 1.124

Decomposition temperature: Unknown

Grams VOC less water: Unknown

Section 10: Stability and Reactivity

Chemical Stability:

STABLE

Incompatibile Materials

SDS for: 1.C003249.CS40P.Std.4 Page 3 of 5

Printed: 7/23/2015 at 4:02:12PM

This product may react with strong alkalies and strong oxidizing agents.

Conditions to Avoid

None known.

Hazardous Decomposition Products

Oxides of phosphorus and carbon, acids of phosphorus.

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

Health Effects

Eye or skin contact may cause mild to severe irritation. Inhalation may cause irritation or corrosion of mucous

membranes and the lungs.

Carcinogenicity

None of the components present in this material are considered to be carcinogens by IARC, NTP or OSHA .

CAS Number Description % Weight Carcinogen Rating

Section 12: Ecological Information

Component Ecotoxicity

1-Hydroxyethane-1,1- 96 Hr LC50 Lepomis macrochirus: 868 mg/L [static]; 96 Hr LC50 Oncorhynchus

diphosphonic acid mykiss: 360 mg/L [static]

48 Hr EC50 Daphnia magna: 527 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

<u>Country</u> <u>Regulation</u> <u>All Components Listed</u>

SDS for: 1.C003249.CS40P.Std.4 Page 4 of 5

Date Prepared: 7/23/2015

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.

SDS for: 1.C003249.CS40P.Std.4 Page 5 of 5

Printed: 7/23/2015 at 4:02:12PM

HAVILAND CONSUMER PRODUCTS, INC SAFETY DATA SHEET



Section 1: Identification

Product Name: Spa Pure Clarifier Product Code: C003186

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:

GHS Hazards

GHS Precautions

There are no GHS ratings that apply to this product at this time.

Section 3: Composition/Information on Ingredients

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

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

SDS for: 1.C003186.BT01PT.Std.6 Page 1 of 4

Printed: 7/23/2015 at 4:00:59PM

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

Handling Procedures

Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. **STORAGE**: Keep container closed when not in use. Store in a cool, dry place. Store away from incompatible materials.

Section 8: Exposure Control/Personal Protection

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

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

Odor: Slight odor Appearance: Clear blue liquid Vapor Pressure: Unknown Odor threshold: Unknown Vapor Density: Unknown pH: Unknown Density: Unknown Melting point: Unknown Freezing point: Unknown Solubility: Complete Boiling range: 212°F Flash point: Unknown **Evaporation rate:** Unknown Flammability: Unknown **Explosive Limits:** Unknown Specific Gravity 1.01 Decomposition temperature: Unknown Autoignition temperature: Unknown

SDS for: 1.C003186.BT01PT.Std.6 Page 2 of 4

Viscosity: Unknown	Grams VOC less water: Unknown
	I
ection 10: Stability and Reactivity	
emical Stability:	
STABLE	
compatibile Materials	
rong oxidizing agents.	
onditions to Avoid one known	
azardous Decomposition Products	
one known	
azardous Polymerization	
Llazardava nahymarization will not accur	
Hazardous polymerization will not occur. section 11: Toxicology Information	
lixture Toxicity	
Doubles of Entry	
Routes of Entry:	
nhalation	
gestion	
kin contact	
ye contact	
arget Organs	
ffects of Overexposure	
imergency Overview May cause irritation but expected to be non-hazardous	
ealth Effects	
flay cause irritation to the eyes, skin, nose, and throat.	
Section 12: Ecological Information	
Section 13: Disposal Considerations	
	×
Dispose of in accordance with local, state and federal regulation	IS.
ection 14: Transportation Informations	
Refer to Bill of Lading or container label for DOT or other transp	ortation hazard classification, if any .
Section 15: Regulatory Information	

<u>Country</u> <u>Regulation</u> <u>All Components Listed</u>

Section 16: Other Information

SDS for: 1.C003186.BT01PT.Std.6 Page 3 of 4

Printed: 7/23/2015 at 4:01:00PM

Date Prepared: 7/23/2015

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.

SDS for: 1.C003186.BT01PT.Std.6 Page 4 of 4

Printed: 7/23/2015 at 4:01:00PM

HAVILAND CONSUMER PRODUCTS, INC SAFETY DATA SHEET



Section 1: Identification

Product Name: Spa Pure Defoamer Product Code: C003292

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:

Skin corrosive 3 Reversible adverse effects in dermal tissue, Draize score: >=

1.5 < 2.3

Skin sensitizer 1 Skin sensitizer

Organ toxin single exposure 3 Transient target organ effects- Narcotic effects- Respiratory

tract irritation

GHS Hazards

H316	Causes mild skin irritation
H317	May cause an allergic skin
	reaction
H336	May cause drowsiness or

dizziness

GHS Precauti	ons
---------------------	-----

P261	Avoid breathing
	dust/fume/gas/mist/vapors/spray
P271	Use only outdoors or in a well-ventilated area
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P312	Call a POISON CENTER or
	doctor/physician if you feel unwell
P321	Specific treatment (see first aid
	treatment on SDS)
P363	Wash contaminated clothing before
	reuse
P302+P352	IF ON SKIN: Wash with soap and water
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position
D000 - D040	comfortable for breathing
P332+P313	If skin irritation occurs: Get medical
P333+P313	advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P405	Store locked up
P403+P233	Store in a well ventilated place. Keep container tightly closed

SDS for: 1.C003292.CS40P.Std.8 Page 1 of 5

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
Dimethyl silicone polymer with silica 67762-90-7 5 to 10%			
Triethanolamine 102-71-6 1 to 5%		5 mg/m3 TWA	

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

Flash Point: 179 C (354 F)

LEL: UEL:

Extinguishing Media

Use dry chemical, foam, or carbon dioxide.

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

SDS for: 1.C003292.CS40P.Std.8 Page 2 of 5

Printed: 7/23/2015 at 4:24:10PM

possible into appropriate containers. Use absorbent to collect spill or leak residue. Follow all local, state and federal regulations.

Section 7: Handling and Storage

HANDLING: Use only in a well ventilated area. Avoid breathing vapor, fumes or mist. Avoid contact with eyes, skin, and clothing. Ground and bond containers when transferring material. Always open containers slowly to allow any excess pressure to vent. Follow all MSDS/label precautions even after containers are emptied because they may retain product residues.

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
Dimethyl silicone polymer			
with silica			
67762-90-7			
Triethanolamine		5 mg/m3 TWA	
102-71-6			

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

Appearance: Milky white liquid

Vapor Pressure: < 20 mm Hg @ 68°F

Vapor Density: > 1.0

Density: Unknown

Freezing point: Unknown

Boiling range: Approx. 212°F

Evaporation rate: Unknown

Explosive Limits: Unknown

Explosive Emilio. Officiowi

Autoignition temperature: Unknown

Viscosity: Unknown

Odor: Mild odor

Odor threshold: Unknown

pH: 7.0 - 8.5 (Neat)

Melting point: Unknown

Solubility: Dispersible

Flash point: Unknown

Flammability: Unknown

Specific Gravity Unknown

Decomposition temperature: Unknown

Grams VOC less water: Unknown

Section 10: Stability and Reactivity

Chemical Stability:

STABLE

Incompatibile Materials

SDS for: 1.C003292.CS40P.Std.8 Page 3 of 5

Strong oxidizing agents.

Conditions to Avoid

None known

Hazardous Decomposition Products

Carbon oxides. Silicon oxides.

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

Harmful if swallowed. May cause skin and eye irritation.

Acute Health Effects

May cause irritation to the eyes and surrounding areas. May cause skin irritation. Inhalation may cause irritation to the respiratory passages.

<u>CAS Number</u> <u>Description</u> <u>% Weight</u> <u>Carcinogen Rating</u>

Section 12: Ecological Information

Component Ecotoxicity

Triethanolamine

96 Hr LC50 Pimephales promelas: 10600 - 13000 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: >1000 mg/L [static]; 96 Hr LC50 Lepomis

macrochirus: 450 - 1000 mg/L [static]

72 Hr EC50 Desmodesmus subspicatus: 216 mg/L; 96 Hr EC50 Desmodesmus

subspicatus: 169 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

Country Regulation All Components Listed

SDS for: 1.C003292.CS40P.Std.8 Page 4 of 5

Date Prepared: 7/23/2015

Disclaimer

Reviewer Revision

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.C003292.CS40P.Std.8 Page 5 of 5

Printed: 7/23/2015 at 4:24:10PM