

SAFETY DATA SHEET

Food Services Sanitizer

SECTION 1: PRODUCT & COMPANY IDENTIFICATION

DATE: 02/13/2015 / Supersedes Revision: n/a

Company:

Native Green
2110 East Walton Blvd., Suite 200
Auburn Hills, MI 48326
Phone: (888) 456-6444
Website: www.nativegreen.com

EMERGENCY CONTACT: Chemtrec, Reference CCN203605
Phone: (800) 424-9300 (collect calls accepted) / International: (703) 527-3887

Product Name: Food Services Sanitizer
ID Code: 4382
Product Category: Quat Sanitizer

SECTION 2: HAZARD(S) IDENTIFICATION

Corrosive To Metals, Category 1
Acute Toxicity: Oral, Category 4
Skin Corrosion/Irritation, Category 1B
Serious Eye Damage/Eye Irritation, Category 1
Aquatic Toxicity (Acute), Category 2



GHS Signal Word: DANGER

GHS Hazard Phrases:

H290 - May be corrosive to metals.
H302 - Harmful if swallowed. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do not induce vomiting.
H314 - Causes severe skin burns and eye damage.
H318 - Causes serious eye damage.
H401 - Toxic to aquatic life.

GHS Precaution Phrases:

P234 - Keep only in original container.
P264 - Wash hands 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.

GHS Response Phrases:

P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or physician for treatment advice. Have product container or label with you when calling poison control center or physician.
P310 - Immediately call a POISON CENTER or doctor/physician.
P330 - Rinse mouth.
P363 - Wash contaminated clothing before reuse.
P390 - Absorb spillage to prevent material damage.

GHS Storage and Disposal Phrases:

P405 - Store locked up.
P501 - Unused product is not a RCRA Hazardous waste. However, contaminated product and wastes may be RCRA hazardous. Users are advised to determine the appropriate disposal method based on local, state and federal regulations and comply with those regulations.

Hazard Rating System:

HMIS

Health: 2
Flammability: 0
Physical: 0
PPE: B

NFPA

Health: 2
Flammability: 0
Instability: 0
Special Hazard: N/A

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Potential Health Effects (Acute and Chronic): Harmful if swallowed. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do not induce vomiting. Causes severe skin burns and eye damage. Toxic to aquatic life.

Inhalation: Harmful if inhaled.

Skin Contact: Contact may cause burns to skin and eyes.

Eye Contact: Contact may cause burns to skin and eyes.

Ingestion: Harmful if swallowed. May cause irritation of the digestive tract.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	1.6 -4.8 %
32426-11-2 1-	Decanaminium, N,N-Dimethyl-N-octyl-, chloride {Decyldimethyloctylammonium chloride}	0.8 -2.4 %
7173-51-5	1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride	0.8 -2.4 %
5538-94-3	1-Octanaminium, N,N-Dimethyl-N-octyl-, chloride	0.8 -2.4 %
64-17-5	Ethyl alcohol {Ethanol}	0.5 -1.5 %

SECTION 4: FIRST-AID MEASURES

Emergency and First Aid Procedures:

In Case of Inhalation: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.

In Case of Skin Contact: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Call a POISON CENTER or doctor/physician.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician.

In Case of Ingestion: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician.

Note to Physician: None known.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point: NP Method Used: Estimate

Explosive Limits: LEL: UEL:

Autoignition Pt: NA

Suitable Extinguishing Media: Water spray, fog or alcohol-resistant foam.

Fire Fighting Instructions: Containers can build up pressure if exposed to heat (fire). Runoff from fire control or dilution water may cause pollution. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

Flammable Properties and Hazards:

SECTION 6: ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures: For personal protection see section 8. Impervious gloves. Chemical safety goggles. Chemical resistant boots.

Environmental Precautions: Do not discharge directly into the environment or into the sewer system. Avoid spillage reaches watercourses and sewerage systems.

Steps To Be Taken In Case Material Is Released Or Spilled: Evacuate personnel to safe areas. Avoid contact with eyes, skin, and clothing.

SECTION 7: HANDLING AND STORAGE

Precautions To Be Taken in Handling: Do not ingest or inhale. Do not get in eyes, on skin or clothing. Do not breathe dust, mist, or vapor. Use with adequate ventilation. Wash thoroughly after handling.

Precautions To Be Taken in Storing: Store in original container. Keep out of reach of children.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
68424-85-	1 Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides			
32426-11-2 1	-Decanaminium, N,N-Dimethyl-N-octyl-, chloride {Decyldimethyloctylammonium chloride}			
7173-51-5	1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride			
5538-94-3	1-Octanaminium, N,N-Dimethyl-N-octyl-, chloride			
64-17-5	Ethyl alcohol {Ethanol}	PEL: 1000 ppm	TLV: 1000 ppm	

Respiratory Equipment (Specify Type): Respirator protection is not normally required.

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Protective Gloves: Use of gloves is recommended.

Other Protective Clothing: Protective garments not normally required.

Engineering Controls (Ventilation etc.): Use with adequate ventilation. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels. Safety shower and eye bath.

Work/Hygienic/Maintenance Practices: Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Clear blue liquid. sweetish odor.

Freezing Point: ~ 0.00 C

Boiling Point: ~ 100.00 C

Autoignition Pt: NA

Flash Pt: NP Method Used: Estimate

Explosive Limits: LEL: UEL:

Specific Gravity (Water = 1): 0.979 - 0.999 at 20.0 C

Vapor Pressure (vs. Air/mm Hg): 17.5 MM_HG at 20.0 C

Vapor Density (vs. Air = 1): NA

Evaporation Rate: ~ 1 (H2O=1)

Solubility in Water: Complete

Viscosity: Water thin

pH: 5.0 - 6.2

Percent Volatile: > 85.0 % by weight.

VOC / Volume: 0.0000 G/L

SECTION 10: STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Avoid contact with acids, reducing agents, oxidizers, nitrogen oxides, amines, ammonia or other nitrogen containing compounds.

Incompatibility – Materials To Avoid: Chlorine Bleach.

Hazardous Decomposition Or Byproducts: hydrogen chloride. Carbon dioxide, Carbon monoxide, nitrogen oxides.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid -Hazardous Reactions:

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Information:

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
68424-85-1	Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides	n.a.	n.a.	n.a.	n.a.
32426-11-2	1-Decanaminium, N,N-Dimethyl-N-octyl-, chloride {Decyldimethyloctylammonium chloride}	n.a.	n.a.	n.a.	n.a.
7173-51-5	1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride	n.a.	n.a.	n.a.	n.a.
5538-94-3	1-Octanaminium, N,N-Dimethyl-N-octyl-, chloride	n.a.	n.a.	n.a.	n.a.
64-17-5	Ethyl alcohol {Ethanol}	n.a.	1	A4	n.a.

SECTION 12: ECOLOGICAL INFORMATION

General Ecological Information: Toxic to aquatic life.

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SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Avoid release to the environment. Avoid spillage reaches watercourses and sewerage systems. Keep only in original container. Observe all federal, state, and local environmental regulations. Unused product is not a RCRA Hazardous waste. However, contaminated product and wastes may be RCRA hazardous. Users are advised to determine the appropriate disposal method based on local, state and federal regulations and comply with those regulations.

SECTION 14: TRANSPORTATION INFORMATION (DOT/UN CLASSIFICATION)

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Disinfectants, liquid, corrosive n.o.s. (May be shipped as Disinfectants, liquid, corrosive n.o.s. Limited Quantity for shipments of less than 5 liters per container)

DOT Hazard Class: 8 CORROSIVE

UN/NA Number: UN1903

LAND TRANSPORT (Canadian TDG): III

TDG Shipping Name:



SECTION 15: REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
68424-85-1	Quaternary ammonium compounds,benzyl-C12-16-alkyldimethyl, chlorides	No	No	No
32426-11-2	1-Decanaminium, N,N-Dimethyl-N-octyl-, chloride {Decyldimethyloctylammonium chloride}	No	No	No
7173-51-5	1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride	No	No	No
5538-94-3	1-Octanaminium, N,N-Dimethyl-N-octyl-, chloride	No	No	No
64-17-5	Ethyl alcohol {Ethanol}	No	No	No

CAS

Hazardous Components (Chemical Name)

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5538-94-3	1-Octanaminium, N,N-Dimethyl-N-octyl-, chloride
64-17-5	Ethyl alcohol {Ethanol}

Other US EPA or State Lists

CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No
CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

SECTION 16: OTHER INFORMATION

Revision Date: 02/13/2015

Preparer Name: Regulatory Affairs

Additional Information About This Product:

EPA Reg. No. 6836-70-85898 / EPA Est. No. 58880-GA-01

Company Policy or Disclaimer: The information contained in this Safety Data Sheet is provided pursuant to current OSHA regulations to convey information concerning the hazardous nature of the named product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard exposure under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all directions and warnings on the product label be read and closely followed.