

# SAFETY DATA SHEET

## NG#18 SD Disinfecting Cleaner

### SECTION 1: PRODUCT & COMPANY IDENTIFICATION

DATE: 04/27/2015 / Supersedes Revision: n/a

**Manufacturer/Distributor:**

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:** NG#18 SD Disinfecting Cleaner

**ID Code:** 4941

**Product Category:** Disinfecting Cleaner

### SECTION 2: HAZARD(S) IDENTIFICATION

**Acute Toxicity: Oral, Category 4**  
**Serious Eye Damage/Eye Irritation, Category 1**  
**Skin Corrosion/Irritation, Category 1A**  
**Skin Corrosion/Irritation, Category 1B**  
**Skin Corrosion/Irritation, Category 1C**



**GHS Signal Word: DANGER**

**GHS Hazard Phrases:**

H302 - Harmful if swallowed.  
H314 - Causes severe skin burns and eye damage.  
H318 - Causes serious eye damage.

**GHS Precaution Phrases:**

P233 - Keep container tightly closed.  
P260 - Do not breathe vapors or spray.  
P264 - Wash hands thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P280 - Wear protective gloves/eye 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.  
P321 - Specific treatment see section 4 on this label.  
P330 - Rinse mouth.  
P363 - Wash contaminated clothing before reuse.  
**GHS Storage and Disposal Phrases:**  
P403+235 - Store in cool/well-ventilated place.  
P405 - Store locked up.  
P501 - Dispose of contents/container to trash after rinsing.

**Hazard Rating System:**

**HMS**

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

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**Potential Health Effects (Acute and Chronic):** Hazards not otherwise classified (HNOC) or not covered by GHS.

Chronic: None.

**Inhalation:** May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. No hazard expected in normal industrial use.

**Skin Contact:** Ingestion can cause burning pain in mouth, throat and abdomen - May be fatal if ingested. Causes skin burns. Non-irritating to the skin.

**Eye Contact:** Causes eye burns. Non-irritating to the eyes.

**Ingestion:** Harmful if swallowed. Causes burns. No hazard expected in normal industrial use.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
68391-01-5	Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	10.85 %
64-02-8	Ethylenediamine tetraacetic acid, tetrasodium salt	1.0 -5.0 %
6834-92-0	Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), Disodium salt	~ 1.0 %
64-17-5	Ethyl alcohol {Ethanol}	1.0 -1.5 %

### SECTION 4: FIRST-AID MEASURES

**Emergency and First Aid Procedures:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**In Case of Inhalation:** If breathed in, move person into fresh air.

**In Case of Skin Contact:** Wash off with soap and plenty of water. Take off contaminated clothing and shoes immediately. Get medical aid if irritation develops and persists.

**In Case of Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**In Case of Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. Do NOT induce vomiting.

**Signs and Symptoms Of Exposure:** The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11 Burning sensation, Breathing dusts from the use of this product may be harmful. Wheezing, Laryngitis, Shortness of breath.

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

### SECTION 5: FIRE-FIGHTING MEASURES

**Flash Point:** NP Method Used: Estimate

**Explosive Limits:** LEL: UEL:

**Autoignition Pt:** NP

**Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Fire Fighting Instructions:** Wear self contained breathing apparatus for fire fighting if necessary. Further information. The product itself does not burn. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Flammable Properties and Hazards:** Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Sodium oxides.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Protective Precautions, Protective Equipment and Emergency Procedures:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

**Environmental Precautions:** Do not let product enter drains. Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. Prevent further leakage or spillage if safe to do so.

**Steps To Be Taken In Case Material Is Released Or Spilled:** Personal precautions. Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Environmental precautions. Do not let product enter drains. Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

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### SECTION 7: HANDLING AND STORAGE

**Precautions To Be Taken in Handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. For precautions see section 2. Avoid inhalation of vapor or mist. Keep away from sources of ignition – No smoking. No special handling procedures are required.

**Precautions To Be Taken in Storing:** Keep container tightly closed in a dry and well-ventilated place. Hygroscopic. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: -20 - -10 deg.C. Handle and store under inert gas. No special storage requirements.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
68391-01-5	Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides			
64-02-8	Ethylenediamine tetraacetic acid, tetrasodium salt			
6834-92-0	Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), Disodium salt			
64-17-5	Ethyl alcohol {Ethanol}	PEL: 1000 ppm	TLV: 1000 ppm STEL: 1000 ppm	

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

**Eye Protection:** Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Protective Gloves:** Handle with gloves.

**Other Protective Clothing:** Protective garments not normally required.

**Engineering Controls (Ventilation etc.):** There are no special ventilation requirements.

**Work/Hygienic/Maintenance Practices:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Environmental Exposure Controls:** Do not let product enter drains. Prevent further leakage or spillage if safe to do so.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

**Appearance and Odor:** Clear, dark green liquid  
Mint odor.

**Melting Point:** NA

**Boiling Point:** NA

**Autoignition Pt:** NA

**Flash Pt:** NP Method Used: Estimate

**Explosive Limits:** LEL: UEL:

**Specific Gravity (Water = 1):** ~ 1.05

**Vapor Pressure (vs. Air or mm Hg):**

**Vapor Density (vs. Air = 1):**

**Evaporation Rate:**

**Solubility in Water:** Complete

**Viscosity:** thin

**pH:** ~ 12.5

**Percent Volatile:**

### SECTION 10: STABILITY AND REACTIVITY

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** Heat, Extremes of temperature and direct sunlight.

**Incompatibility – Materials To Avoid:** Incompatible with alkalies, sol carbonates, gold and silver salts, lead acetate, lime water, potassium iodide, potassium and sodium tartrate, sodium borate, tannin, vegetable astringent infusions and decoctions. Lead. Tin/tin oxides, Zinc, Oxidizing agents, Alkali metals, Strong acids. Ammonia, Peroxides, None.

**Hazardous Decomposition Or Byproducts:** Other decomposition products: In the event of fire: see section 5. formed under fire conditions. Sodium oxides, silicon oxides.

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

**Conditions To Avoid -Hazardous Reactions:**

### SECTION 11: TOXICOLOGICAL INFORMATION

**Toxicological Information:** Germ cell mutagenicity. No data available. Reproductive toxicity. Specific target organ toxicity - repeated exposure: Aspiration hazard: Epidemiology: Teratogenicity: No data available. Reproductive Effects: Other Studies:

**Irritation or Corrosion:** Skin corrosion/irritation. No data available. Serious eye damage/eye irritation: Skin - rabbit - Severe skin irritation - -24 h.

**Sensitization:** No data available.

**Chronic Toxicological Effects:** Specific target organ toxicity - single exposure: No data available.

**Carcinogenicity/Other Information:** IARC: No component of this product present at levels greater than or equal to 0.1% is

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identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
68391-01-5	Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	n.a.	n.a.	n.a.	n.a.
64-02-8	Ethylenediamine tetraacetic acid, tetrasodium salt	n.a.	n.a.	n.a.	n.a.
6834-92-0	Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), Disodium salt	n.a.	n.a.	n.a.	n.a.
64-17-5	Ethyl alcohol {Ethanol}	n.a.	1	A4	n.a.

### SECTION 12: ECOLOGICAL INFORMATION

**Results of PBT and vPvB assessment:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**Persistence and Degradability:** No data available.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Product. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Contaminated packaging. Observe all federal, state, and local environmental regulations. Dispose of as unused product. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. RCRA P-Series: None listed. RCRA U-Series: None listed.

### 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

**Packing Group:** III



### 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)
68391-01-5	Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	No	No	No
64-02-8	Ethylenediamine tetraacetic acid, tetrasodium salt	No	No	No
6834-92-0	Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), Disodium salt	No	No	No
64-17-5	Ethyl alcohol {Ethanol}	No	No	No

**CAS # Hazardous Components (Chemical Name)**

68391-01-5	Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides
64-02-8	Ethylenediamine tetraacetic acid, tetrasodium salt
6834-92-0	Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), Disodium salt
64-17-5	Ethyl alcohol {Ethanol}

**Other US EPA or State Lists**

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

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### SECTION 16: OTHER INFORMATION

**Revision Date:** 04/27/2015

**Preparer Name:** Regulatory Affairs

**Additional Information About This Product:**

EPA Registration Number: 6836-77-85898

EPA Establishment Number: 58880-GA-001

**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.