

SAFETY DATA SHEET

NG#13 SD All Purpose Cleaner/Degreaser

SECTION 1: PRODUCT & COMPANY IDENTIFICATION

DATE: 02/06/2015 / 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#13 SD All Purpose Cleaner/Degreaser

ID Code: 4957

Product Category: Neutral Cleaner

SECTION 2: HAZARD(S) IDENTIFICATION

Acute Toxicity: Oral, Category 4
Acute Toxicity: Skin, Category 4
Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2A
Acute Toxicity: Inhalation, Category 4
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.
H312 - Harmful in contact with skin.
H314 - Causes severe skin burns and eye damage.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.

GHS Precaution Phrases:

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:

P301+312 - IF SWALLOWED: Seek medical attention if you feel unwell.
P330 - Rinse mouth.
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 - Wash contaminated clothing before reuse.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310 - Immediately call a Poison Control Center or doctor.
P332+313 - If skin irritation occurs, get medical advice/attention.
P337+313 - If eye irritation persists, get medical advice/attention.
P362 - Take off contaminated clothing and wash before re-use.
P363 - Wash contaminated clothing before reuse.

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.

SAFETY DATA SHEET

NG#13 SD All Purpose Cleaner/Degreaser

Hazard Rating System:

HMS

Health: 1

Flammability: 0

Physical: 0

PPE: B

Potential Health Effects (Acute and Chronic): May cause liver and kidney damage. Sophisticated modeling has clearly proven that 2-butoxyethanol does not build up in the body under any kinds of normal use.

Inhalation: Harmful if inhaled. May cause respiratory tract irritation. May cause narcotic effects in high concentration. May cause lung damage. May cause anemia. May cause central nervous system effects such as nausea and headache. Material is irritating to mucous membranes and upper respiratory tract. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Skin Contact: Causes skin irritation. Substance is rapidly absorbed through the skin. Causes symptoms similar to those of inhalation. Skin sensitization testing with human volunteers produced negative results. A skin notation is not recommended by ACGIH, based on estimates from physiologically based pharmacokinetic models which indicate that, even in worst-case dermal-exposure scenarios, 2-butoxyethanol is not absorbed in amounts sufficient to cause red blood cell hemolysis in humans. May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Ingestion can cause burning pain in mouth, throat and abdomen - May be fatal if ingested. Causes skin burns.

Eye Contact: Causes redness and pain. Causes severe eye irritation. Causes eye burns.

Ingestion: Harmful if swallowed. May cause irritation of the digestive tract. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. Causes burns.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydr (Nonylphenol Ethoxylate)	4.0 -10.0 %
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	1.0 -3.0 %

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: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with

the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

In Case of Skin Contact: Get medical aid immediately. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. In case of contact, immediately wash skin with soap and copious amounts of water. Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately. In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

In Case of Ingestion: Get medical aid immediately. Call a poison control center. If swallowed, wash out mouth with water provided person is conscious. Call a physician. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Signs and Symptoms Of Exposure: Exposure can cause: Nausea, headache, and vomiting. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Burning sensation, Breathing dusts from the use of this product may be harmful. Wheezing, Laryngitis, Shortness of breath.

Note to Physician: None known.

SAFETY DATA SHEET

NG#13 SD All Purpose Cleaner/Degreaser

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 chemical foam. Suitable: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Will burn if involved in a fire. Combustible liquid and vapor. Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Further information. The product itself does not burn.

Flammable Properties and Hazards:

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Remove all sources of ignition. Use a spark-proof tool. Do not let this chemical enter the environment. PROCEDURE(S) OF PERSONAL PRECAUTION(S) Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Methods for cleaning up. Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete. Personal precautions. Use personal protective equipment. Avoid dust formation. Avoid breathing dust. 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.

SECTION 7: HANDLING AND STORAGE

Precautions To Be Taken in Handling: Use spark-proof tools and explosion proof equipment. Keep away from heat, sparks and flame. Do not ingest or inhale. Use only in a chemical fume hood. User Exposure: Do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Precautions To Be Taken in Storing: Keep away from sources of ignition. Store in a cool, dry place. Suitable: Keep container tightly closed in a dry and well-ventilated place. Hygroscopic.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl) -.omega.-hydr {Nonylphenol Ethoxylate}			
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt			

Respiratory Equipment (Specify Type): Respirator protection is not normally required. Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. Hand: Compatible chemical-resistant gloves.

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. Chemical safety goggles.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood. Mechanical exhaust required. Safety shower and eye bath.

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance and Odor: Clear amber liquid
Fragrant odor.

Melting Point:

Boiling Point:

Autoignition Pt: NP

Flash Pt: NP Method Used: Estimate

Specific Gravity (Water = 1): ~ 1.08

Vapor Pressure (vs. Air or mm Hg):

Vapor Density (vs. Air = 1):

Evaporation Rate:

Solubility in Water: Complete

Viscosity: thin

pH: 10.0 -11.5

SAFETY DATA SHEET

NG#13 SD All Purpose Cleaner/Degreaser

SECTION 10: STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Incompatible materials, ignition sources.

Incompatibility – Materials To Avoid: Strong acids. Strong bases, Aluminum, Lead. Tin/tin oxides, Zinc.

Hazardous Decomposition Or Byproducts: Carbon monoxide, formed under fire conditions. Sodium oxides, silicon oxides.

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

Conditions To Avoid -Hazardous Reactions: Product will not undergo polymerization

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Information: Epidemiology: No data available. Reproductive Effects: Mutagenicity: Neurotoxicity: Other Studies: No information found. Teratogenicity: No information available.

Irritation or Corrosion: Skin - rabbit - Severe skin irritation - -24 h.

Carcinogenicity/Other Information: CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65. California: Not listed. NTP: Not listed. IARC: Not listed. Carcinogenicity. IARC: No component of this product present at levels greater than or equal to 0.1% is 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 #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydr {Nonylphenol Ethoxylate}	n.a.	n.a.	n.a.	n.a.
6834-92-0	Silicic acid (H2SiO3), Disodium salt	n.a.	n.a.	n.a.	n.a.

SECTION 12: ECOLOGICAL INFORMATION

General Ecological Information: Environmental: TERRESTRIAL FATE: Based on a recommended classification scheme, an estimated Koc value of 67., determined from an experimental log Kow and a recommended regression-derived equation, indicates that ethylene glycol mono-n-butyl ether is expected to have high mobility in soil. An estimated BCF value of 2.5 was calculated for ethylene glycol mono-n-butyl ether, using an experimental log Kow of 0.83 and a recommended regression-derived equation. According to a recommended classification scheme, this BCF value suggests that bioconcentration in aquatic organisms is low. Physical: No information found. Other: An estimated BCF value of 2.5., from an experimental log Kow, suggests that ethylene glycol mono-n-butyl ether bioconcentration in aquatic organisms will be low, according to a recommended classification scheme. ELIMINATION.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: 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. Empty container may be recycled or disposed of as solid sanitary waste. Do not reuse container. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Product. Observe all federal, state, and local environmental regulations. Contaminated packaging. Dispose of as unused product.

SECTION 14: TRANSPORTATION INFORMATION (DOT/UN CLASSIFICATION)

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not regulated.

DOT Hazard Class:

UN/NA Number:

LAND TRANSPORT (Canadian TDG): Not regulated under U.S. Department of Transportation regulations (29 CFR)

Environmentally hazardous substance, liquid, n.o.s (applies to single containers of more than 119 gallons - smaller containers are not regulated)

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Non-Hazardous for Air Transport: Non-hazardous for air transport.

SAFETY DATA SHEET

NG#13 SD All Purpose Cleaner/Degreaser

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)
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydr {Nonylphenol Ethoxylate}	No	No	No
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydr {Nonylphenol Ethoxylate}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 8A PAIR; CA PROP.65: No
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

SECTION 16: OTHER INFORMATION

Revision Date: 02/06/2015

Preparer Name: Regulatory Affairs

Additional Information About This Product:

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.