

SAFETY DATA SHEET

Bio+ Liquid Machine Dish Detergent

SECTION 1: PRODUCT & COMPANY IDENTIFICATION

DATE: 06/13/2014 / Supersedes Revision: n/a

Supplier:

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: Bio+ Liquid Machine Dish Detergent

ID Code: 4742

Product Category: Detergent

SECTION 2: HAZARD(S) IDENTIFICATION

GHS Signal Word: N/A

GHS Hazard Phrases:

No phrases apply.

GHS Precaution Phrases:

No phrases apply.

GHS Response Phrases:

No phrases apply.

GHS Storage and Disposal Phrases:

No phrases apply.

Hazard Rating System:

HMS

Health: 1

Flammability: 0

Physical: 0

PPE:

NFPA

Health: 1

Flammability: 0

Instability: 0

Special Hazard: None

Potential Health Effects (Acute and Chronic):

Inhalation: May cause respiratory tract irritation. No hazard expected in normal industrial use.

Skin Contact: Ingestion can cause burning pain in mouth, throat and abdomen - May be fatal if ingested. May cause skin irritation.

Eye Contact: May cause eye irritation.

Ingestion: Harmful if swallowed. May cause irritation of the digestive tract. No hazard expected in normal industrial use.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
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SECTION 4: FIRST-AID MEASURES

Emergency and First Aid Procedures:

In Case of Inhalation: No specific treatment is necessary since this material is not likely to be hazardous by inhalation.

In Case of Skin Contact: Wash off with soap and plenty of water. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

In Case of Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.

In Case of Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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SECTION 5: FIRE-FIGHTING MEASURES

Flash Point:

Explosive Limits: LEL: UEL:

Autoignition Pt:

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

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. Material will not burn.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled: Use personal protective equipment. Methods for cleaning up. Keep in suitable, closed containers for disposal. 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.

SECTION 7: HANDLING AND STORAGE

Precautions To Be Taken in Handling: Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. No special handling procedures are required.

Precautions To Be Taken in Storing: Store in a cool, dry place. No special storage requirements.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
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Respiratory Equipment (Specify Type): Respirator protection is not normally required.

Eye Protection: Safety glasses. 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: Handle with gloves. Wear appropriate protective gloves to prevent skin exposure. Protective garments not normally required.

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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance and Odor: Slightly cloudy liquid with mild odor.
Mild odor.

Melting Point:

Boiling Point:

Autoignition Pt:

Flash Pt:

Explosive Limits: LEL: UEL:

Specific Gravity (Water = 1): ~ 1.3

Vapor Pressure (vs. Air or mm Hg):

Vapor Density (vs. Air=1):

Evaporation Rate:

Solubility in Water: Complete

Viscosity: High

pH: ~ 10.6 @ 1%

Percent Volatile:

SECTION 10: STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Incompatible materials.

Incompatibility – Materials To Avoid: Acids.

Hazardous Decomposition Or Byproducts:

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

Conditions To Avoid -Hazardous Reactions:

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SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Information: Acute demal toxicity: LD50 rabbit Dose > 2,000 mg/kg Skin irritation: Rabbit Non irritant Eye irritation: Rabbit minimal irritant. No data available. Epidemiology: No information found. Reproductive Effects: Mutagenicity: Neurotoxicity: Teratogenicity: No data available.

Irritation or Corrosion: No data available

Chronic Toxicological Effects: 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.

Carcinogenicity/Other Information: CAS# 68-04-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
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SECTION 12: ECOLOGICAL INFORMATION

General Ecological Information: Environmental: Not regulated under U.S. Department of Transportation regulations (29 CFR) Physical: No information available. Other: Do not empty into drains.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Product. Observe all federal, state, and local environmental regulations. 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. Contaminated packaging. Dispose of as unused product. 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: Not regulated.

DOT Hazard Class:

UN/NA Number:

Packing Group:

LAND TRANSPORT (Canadian TDG):

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)
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CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
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SECTION 16: OTHER INFORMATION

Revision Date: 06/13/2014

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.