



SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Ver-tech Labs 6801 Bleck Drive Rockford, MN 55373 1-877-866-9742	Product Name: Green Lightning Product Code: GRE100 Recommended Use: High pH detergent Revision Date: 5/19/2015
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Chemical Emergency: Infotrac: 1-800-535-5053

SECTION 2: HAZARDS IDENTIFICATION

GHS Hazard Classification

Skin Corrosion	Category 2
Serious Eye Damage	Category 1

Signal Word

DANGER!



Hazard Statements

Causes skin irritation
 Causes serious eye damage

Precautionary Statements - Prevention

Wash thoroughly after handling
 Do not breathe mists or vapors
 Wear protective gloves and eye protection

Precautionary Statements - Response

IF ON SKIN: Gently wash with plenty of soap and water
 If skin irritation occurs: Get medical advice/attention
 Take off contaminated clothing and wash before reuse
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
 Get Medical advice/attention if you feel unwell

Precautionary Statements - Storage

Precautionary Statements - Disposal

SECTION 3: INFORMATION ON HAZARDOUS INGREDIENTS

Product is a mixture according to 29 CFR 1910.1200.

Hazardous Components

Hazardous Ingredients	Cas #	Weight %
Disodium metasilicate	6834-92-0	0 - 15%
Sodium carbonate	497-19-8	0 - 15%
Proprietary Blend	Trade Secret	0 - 15%

Specific chemical identity and/or exact percentage of components has been withheld in accordance with a trade secret claim according to Appendix E 29 CFR 1910.1200.

SECTION 4: FIRST-AID MEASURES

First Aid Measures

General Advice: Keep out of reach of children. Use with care.

Eye Contact: Immediately flush with cool running water for at least 15 minutes while holding eyelids apart. Do not rub affected area. Remove contact lenses if applicable.

Skin Contact: Wash off immediately with soap and water while removing all contaminated clothes and shoes.

Ingestion: If swallowed, call immediately for emergency medical assistance. DO NOT induce vomiting. Rinse mouth with water and drink 1-2 glasses of water. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air.

Most Important Symptoms and Effects

Symptoms: Severe burns to eyes. Irritation to skin and respiratory tract.

Indication of any immediate medical attention and special treatment needed

Note to Physician: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES**Flammable Properties**

Flammability: Not considered to be a fire hazard.

Explosive Prop: No information available.

Extinguishing Media

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

Unsuitable: No information available.

Specific Hazards Arising from Chemical

Hazards: This product causes burns of eyes, skin and mucous membranes. Thermal decomposition may lead to release of irritating and toxic vapors. In the event of fire and/or explosion do not breathe fumes.

Protective equipment and precautions for fire-fighters

Fire-Fight Method: In the event of a fire, fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Evacuate personnel to safe areas. Isolate hazard area and deny entry. Stay upwind of spill/leak. Use personal protective equipment. Avoid contact with skin, eyes or clothing.

Environ. Precautions: Prevent release to the environment if possible. Dike large spills to prevent material from entering streams or sewer systems.

Clean-Up Method: Soak-up with inert absorbent material and place into appropriate container for disposal. Clean contaminated area thoroughly with water. Prevent product from entering drains.

SECTION 7: HANDLING AND STORAGE

Handling: Use personal protective equipment when needed. Avoid contact with skin, eyes, and clothing. Wash hands before eating, drinking, or smoking. Remove contaminated clothes and wash before reuse. Use in a ventilated area.

Storage: Store in closed containers in cool, dry, well-ventilated area. Avoid overheating or freezing. Keep in properly labeled containers and out of reach of children.

Incomp. Materials: Strong acids and bases. Oxidizing agents. Prolonged exposure with alkali sensitive metals and alloys.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**Exposure Guidelines**

Hazardous Chemical	TLV - TWA	TLV - STEL
Disodium metasilicate	3 mg/m ³	No information available
Sodium carbonate	15 mg/m ³	No information available
Proprietary Blend	No information available	No information available

Appropriate Engineering Controls

Eng. Controls: Ensure adequate ventilation, especially in confined areas.

Personal Protection Equipment (PPE)

Eyes: Recommend safety goggles or shield.

Respiratory: Not usually necessary where ventilation is sufficient to maintain vapors under the TLV limit.

Skin: Avoid skin contact. Recommend chemical resistant gloves.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical State:	Liquid	Freezing Point:	Not determined
Appearance:	Green liquid	Boiling Point:	Not determined
Color:	Green	Evaporation Rate:	Not determined
Odor:	Odorless	Vapor Pressure:	Not determined
Odor Threshold:	No information available	Vapor Density:	Not determined
pH:	12 - 14	Relative Density:	Not determined
Flash Point:	Not determined	Flammability:	Not determined
Water Solubility:	Soluble in water	Explosive Limits:	Not determined
Viscosity:	Not determined	Part. Coefficient:	Not determined
Specific Gravity:	1.0 - 1.1	Auto-ignition Temp:	Not determined
Melting Point:	Not determined	Decomp. Temp:	Not determined

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable under ordinary conditions of use and storage.
Haz. Decomposition:	Thermal decomposition can lead to release of irritating and toxic gases and vapors.
Haz. Polymerization:	No information available.
Incompatibilities:	Strong acids and bases. Oxidizing agents. Prolonged exposure with alkali sensitive metals and alloys.
Conditions to Avoid:	Heat, moisture and incompatibles.

SECTION 11: TOXICOLOGY INFORMATION**Component Information**

Hazardous Chemical	LD50 Oral	LD50 Dermal
Disodium metasilicate	600 mg/kg (rat)	No information available
Sodium carbonate	4090 mg/kg (rat)	No information available
Proprietary Blend	Not Determined	No information available

Potential Health Effects

Exposure Routes:	Eye Contact, Dermal Contact, Ingestion, Inhalation
Acute Toxicity:	
Eyes:	Causes eye irritation with tearing, redness, and impaired vision.
Skin:	Causes skin irritation, redness, and itching. May cause chemical burns.
Ingestion:	Harmful if swallowed. Corrosive to mucous membranes, esophagus and stomach.
Inhalation:	Respiratory irritant.
Chronic Effects:	Avoid repeated exposure. May aggravate pre-existing medical conditions including eye, skin and respiratory disorders.
Carcinogenicity:	Not listed as a carcinogen by OSHA, NTP or IARC.

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity**

Hazardous Chemical	Toxicity to Fish	Toxicity to Invertebrates
Disodium metasilicate	No information available	No information available
Sodium carbonate	300 - 320 mg/l (96 h: Bluegill sunfish)	265 mg/l (48 : Daphnia)
Proprietary Blend	No information available	No information available

Environmental Toxicity

Biodegradation:	No information available.
Persistence:	No information available.
Bioaccumulation:	No information available.
Mobility:	No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Recover or recycle if possible. Disposal should be in compliance with applicable federal, state, and local regulations. Do not dispose of in the environment, in sewage, and/or in drains.

Container: Drain contaminated container thoroughly. Triple rinse containers.

SECTION 14: TRANSPORT INFORMATION

Transport in accordance with all federal, state, and local regulations.

DOT

Proper Name: NA
Hazard Class: NA
UN Number: NA
Packing Group: NA
Special Provisions: Not regulated as dangerous goods.

SECTION 15: REGULATORY INFORMATION**US Federal Regulations**

TSCA Status: All components of this product are listed or exempt from listing on TSCA inventory.

CERCLA Reportable Quantity: None

Section 311/312 Hazard Category

Acute Health Hazard: No
Chronic Health Hazard: No
Fire Hazard: No
Sudden Release of Pressure Hazard: No
Reactive Hazard: No

Section 313 Toxic Chemicals None

SECTION 16: OTHER INFORMATION

Prepared by: Health and Safety Department

Contact Number: 1-877-866-9742

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Revision Note: MSDS converted to GHS compliant SDS format

Version: 1

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End of Safety Data Sheet