

Safety Data Sheet

Issue Date: 19-Mar-2012 Revision Date: 19-Mar-2015 Version 1

1. IDENTIFICATION

Product Identifier

Product Name SUPER D GREEN

Other means of identification

SDS # 203

Product Code 203 UN/ID No UN1760

Recommended use of the chemical and restrictions on use

Recommended Use Heavy Duty Cleaner. For industrial and institutional use only.

Details of the supplier of the safety data sheet

Supplier Address Banner Labs, Inc

11875 West Little York, Suite 202

Houston. Texas 77041

Emergency Telephone Number

Company Phone Number Phone: 713-896-87785

Fax: 713-896-8001

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

AppearanceGreen liquidPhysical StateLiquidOdorButyl odor

Classification

Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1

Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed

Signal Word Danger

Hazard Statements

Causes severe skin burns and eye damage



Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Immediately call a poison center or doctor/physician

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a poison center or doctor/physician

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a poison center or doctor/physician IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Sodium metasilicate	6834-92-0	< 5
Ethylene Glycol Monobutyl Ether	111-76-2	< 7
Sodium Tripolyphosphate	7758-29-4	<5
EDTA – Sodium Salt	6381-92-6	< 1

^{**}If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.**

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact IF IN EYES: Rinse immediately with plenty of water, also under the eyelids, for at least 15

minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately

call a poison center or doctor/physician.

Skin Contact IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin

with water/shower. Wash contaminated clothing before reuse. If skin irritation persists, call

a physician.

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is

difficult, give oxygen. Get medical attention immediately.

Ingestion IF SWALLOWED: call a poison control center or physician immediately. Rinse mouth. Do

not induce vomiting.

Most important symptoms and effects

Symptoms Causes severe skin burns and eye damage. May cause pain, conjunctivitis of the eyes or

burns. Ingestion may cause severe burns to mouth, throat or stomach. Inhalation may cause burns to upper respiratory tract and lung tissue depending on length of exposure.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Product is not flammable.

Hazardous Combustion Products None known.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal PrecautionsUse personal protective equipment as required.

Environmental Precautions Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See

Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-UpConfine and absorb into approved absorbent. Place material into approved containers for

disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Use personal

protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Do not breathe vapors. Wash face, hands and any exposed skin thoroughly after handling. Product should only be handled by trained personnel. For institutional and industrial use only.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep away

from children and untrained personnel. Store locked up.

Incompatible Materials Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium metasilicate 6834-92-0	2 mg/m ³	2 mg/m ³	-
Ethylene Glycol Monobutyl Ether 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m³ (vacated) S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Eyewash

stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses as a minimum for protection.

Skin and Body Protection Wear suitable protective clothing. Wear waterproof gloves.

Respiratory Protection Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation

wear respiratory protection.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Wash face, hands

and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

(Water = 1)

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State Liquid

AppearanceGreen liquidOdorButyl odorColorGreenOdor ThresholdNot determined

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

DH 12.5

Melting Point/Freezing Point

Boiling Point/Boiling Range

Not determined
> 100 °C / >212 °F

Flash Point

Not flammable

Evaporation Rate <1

Flammability (Solid, Gas)
Upper Flammability Limits

Liquid - not applicable
Not determined

Upper Flammability LimitsNot determinedLower Flammability LimitNot determinedVapor PressureNot determined

Vapor Density >1 Specific Gravity 1.07

Water Solubility100% solubleSolubility in other solventsNot determinedPartition CoefficientNot determinedAuto-ignition TemperatureNot determined

Decomposition TemperatureNot determinedKinematic ViscosityNot determinedDynamic ViscosityNot determinedExplosive PropertiesNot determinedOxidizing PropertiesNot determined

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

See Sec. 7 Handling & Storage.

Incompatible Materials

Strong acids.

Hazardous Decomposition Products

None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Causes severe eye damage.

Skin Contact Causes severe skin burns.

Inhalation Avoid breathing vapors or mists.

Ingestion Do not ingest.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium metasilicate	= 600 mg/kg (Rat)	-	-
6834-92-0			
Ethylene Glycol Monobutyl Ether	= 470 mg/kg (Rat)	= 2270 mg/kg (Rat) = 220 mg/kg (= 2.21 mg/L (Rat) 4 h = 450 ppm
111-76-2		Rabbit)	(Rat) 4 h

Information on physical, chemical and toxicological effects

Symptoms

Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity

Not classifiable as a human carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethylene Glycol Monobutyl	A3	Group 3		
Ether				
111-76-2				

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium metasilicate 6834-92-0		210: 96 h Brachydanio rerio mg/L LC50 semi-static 210:		216: 96 h Daphnia magna mg/L EC50
0004 02 0		96 h Brachydanio rerio mg/L LC50		mg/L 2000
Ethylene Glycol Monobutyl		1490: 96 h Lepomis		1698 - 1940: 24 h Daphnia
Ether		macrochirus mg/L LC50		magna mg/L EC50 1000: 48
111-76-2		static 2950: 96 h Lepomis		h Daphnia magna mg/L
		macrochirus mg/L LC50		EC50

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
Ethylene Glycol Monobutyl Ether	0.81
111-76-2	

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and

regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and

regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including

exemptions and special circumstances.

DOT

UN/ID No UN1760

Proper Shipping Name Corrosive liquids, n.o.s. (sodium metasilicate, ethylene glycol monobutyl ether)

Hazard Class 8
Packing Group || |

IATA

UN1760

Proper Shipping Name Corrosive liquids, n.o.s. (sodium metasilicate, ethylene glycol monobutyl ether)

Hazard Class 8
Packing Group || |

IMDG

UN1760

Proper Shipping Name Corrosive liquids, n.o.s. (sodium metasilicate, ethylene glycol monobutyl ether)

Hazard Class 8
Packing Group | |

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Sodium metasilicate	Present	Χ		Present		Present	Χ	Present	Χ	Х
Ethylene Glycol Monobutyl Ether	Present	Х		Present		Present	Х	Present	Х	Х
Sodium Tripolyphosphate	Present	Х		Present		Present	Χ	Present	Х	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations. Part 372

or chemicals which are subject to the reporting requi	icinicints of the Act and Titl	c +0 or the boat of 1 cach	ai regulations, i air orz
Chemical Name	CAS No	Weight-%	SARA 313 - Threshold
Official Name	OAO NO	Weight-70	OAILA 313 - Hilleshold
			Values %
			Values /0

Ethylene Glycol Monobutyl Ether - 111-76-2	111-76-2	5-10	1.0
Ethylerie Glycol Mohobatyl Ethel - 111-70-2	111-70-2	3-10	1.0

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethylene Glycol Monobutyl Ether	X	X	X
111-76-2			

16. OTHER INFORMATION

Health Hazards Flammability Instability **Special Hazards** NFPA Not determined Not determined Not determined Not determined **Health Hazards Flammability Physical Hazards Personal Protection** HMIS

Issue Date: 01-Feb-2012 **Revision Date:** 23-Feb-2015 **Revision Note:** New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet