SAFETY DATA SHEET

GREEN FLOOR KLEEN - Heavy Duty Cleaner Degreaser **Date: 12/23/2020**

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
Product Name GREEN FLOOR KLEEN Heavy Duty Cleaner Degreaser

Other Means of Identification

Product Code GREEN FLOOR KLEEN

Recommended Use of the Chemical and Restrictions on Use
Recommended Use Heavy duty degreaser/ cleaner.

Details of the Supplier of the Safety Data Sheet
Manufactured for: The Safety Source
35320 Forton Court
Clinton Township, MI 48035

Emergency Telephone Number
Company Phone Number (586) 648-7132
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Skin Corrosion/Irritation	Category 1 Sub-category B
Serious Eye Damage/Eye Irritation	Category 1

Signal Word **DANGER**

Hazard Statements
Causes severe skin burns and eye damage
Harmful if swallowed. May be harmful if inhaled
Inhalation of vapors or mist may cause respiratory irritation
Harmful if absorbed through skin



Appearance: Green **Physical State:** Liquid **Odor:** Detergent

Precautionary Statements - Prevention
Do not handle until all safety precautions have been read and understood
Wear impervious gloves and clothing when handling. Wear safety goggles.
Wash face, hands and any exposed skin thoroughly after handling
Do not breathe dust/fume/gas/mist/vapors/spray
Use only in well ventilated areas
Do not ingest.

Precautionary Statements - Response
If you are exposed or concerned, call a 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: Call a POISON CENTER or doctor/physician for advice.
Rinse mouth. Do NOT induce vomiting

Precautionary Statements - Storage
Store in a cool dry place. Keep containers tightly closed.

Precautionary Statements - Disposal
Dispose of in accordance with local, state & federal regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
2-Butoxyethanol	111-76-2	0 - 12
Sodium metasilicate	6834-92-0	0 - 10
Sodium xylenesulfonate	1300-72-7	0 - 3
Sodium hydroxide	1310-73-2	0 - 3

The balance of ingredients are not hazardous by OSHA GHS and are being withheld as a proprietary trade secret.

4. FIRST AID MEASURES

First Aid Measures

Inhalation — Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Eye Contact — 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.

Ingestion — Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician for advice.

Skin Contact — Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms — Irritating to skin. Repeated exposure may cause skin drying or cracking. Contact with eyes causes serious damage. Do not taste or swallow.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians — Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use dry chemical, water spray, fog or foam.

Unsuitable Extinguishing Media None known.

Specific Hazards Arising from the Chemical
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 Precautions Use personal protective equipment as required.

Methods and Material for Containment and Cleaning Up

Methods for Containment Prevent further leakage or spillage if safe to do so. Collect using an inert absorbent material and place in appropriate containers for disposal. Prevent entry into waterways, sewer, basements or confined areas.

Methods for Cleaning Up Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Store in a cool, dry place. Keep containers tightly closed and in upright position to prevent leakage. KEEP OUT OF THE REACH OF CHILDREN.

Incompatible Materials Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm	TWA: 5 ppm 3
Sodium metasilicate 6834-92-0	2 mg/m^3	2 mg/m^3	-
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m^3	Ceiling: 2 mg/m^3	Ceiling: 2 mg/m^3

Appropriate Engineering Controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Provide eye wash and safety shower.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Splash goggles or face shield. Face-shields are recommended when the task can generate splashes, sprays or mists.

Skin and Body Protection Rubber gloves, or other impervious gloves.

Respiratory Protection Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid		
Appearance	Green liquid	**Odor**	Detergent
Color	Green	**Odor Threshold**	Not determined

Property	**Values**	**Remarks • Method**
pH	11.5-12.5	
Melting Point/Freezing Point	Not available	
Boiling Point/Boiling Range	212°F	
Flash Point	Does not sustain combustion	
Evaporation Rate	<1	Water = 1
Flammability (Solid, Gas)	Not applicable	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	1.07	
Water Solubility	Soluble in water	
Solubility in Other Solvents	Not 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
None known

Incompatible Materials
Strong acids.

Hazardous Decomposition Products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation Harmful by inhalation.

Eye Contact Causes severe eye damage.

Skin Contact Can be absorbed through the skin. Causes severe skin irritation.

Ingestion Harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-Butoxyethanol 111-76-2	= 470 mg/kg (Rat)	= 2270 mg/kg (Rat) = 220 mg/kg (Rabbit)	= 2.21 mg/L (Rat) 4 h = 450 ppm (Rat) 4 h
Sodium metasilicate 6834-92-0	= 600 mg/kg (Rat)	-	-
Sodium hydroxide 1310-73-2	-	= 1350 mg/kg (Rabbit)	-

Information on Physical, Chemical and Toxicological Effects

Symptoms Skin contact may cause pain, redness and drying or defatting of the skin. Eye contact will cause pain, redness and possible damage. Mists and vapors cause irritation of the eyes, mucous membranes, and upper respiratory tract.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity No components of this product have been identified as a carcinogen or potential carcinogen by ACGIH, IARC, OSHA, or NTP.

Target Organ Effects: Eyes. Respiratory system. Skin. Blood. Central nervous system. Hematopoietic system. Kidney. Liver.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
2-Butoxyethanol 111-76-2		LC50 Lepomis macrochirus 1490 mg/L 96 h		EC50 Daphnia magna 1698 1940 mg/L 96 h
Sodium metasilicate 6834-92-0		LC50 Brachydanio rerio 210 mg/L 96 h		EC50 Daphnia magna 1700 mg/L 48 h
Sodium hydroxide 1310-73-2		45.4: 96 h Oncorhynchus mykiss mg/L LC50 static		

Persistence and Degradability
Biodegradable

Bioaccumulation
Not determined

Mobility
Not determined

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 Not Regulated

IATA Not Regulated

IMDG Not Regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Listed

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*

US Federal Regulations

SARA 313 No components of this product contain chemical (s) that are subject to reporting levels established by SARA Title III, Section 313.

CERCLA Reportable Quantity
The following components are listed:

Chemical Name	CAS Number	CERCLA RQ
Sodium Hydroxide	1310-73-2	1000 lbs.

US State Regulations

U.S. State Right-to-Know Regulations

The following ingredients have been listed:

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-Butoxyethanol 111-76-2	X	X	X
Sodium hydroxide 1310-73-2	X	X	X
Sodium Metasilicate 6834-92-0	X	X	X

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	2	0	0	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical Hazards**	**Personal Protection**
	2	0	0	B

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