



SAFETY DATA SHEET

Issuing Date 16-Jan-2014

Revision Date 26-Aug-2016

Revision Number 5

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name Solid Green 22 Bioactive

Other means of identification

Product Code(s) 1622

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Drain and Grease Trap Treatment

Uses advised against No information available

Supplier's details

Supplier Address

Sunburst Chemicals, Inc.
220 W. 86th St.
Bloomington, MN 55420
TEL: 952-884-3144

Emergency Telephone Number 1-866-303-6943

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

PRODUCT AS SOLD

Acute Oral Toxicity	Category 4
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PRODUCT AT USE DILUTION

Acute Oral Toxicity	Category 4
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GHS Label elements, including precautionary statements

Emergency Overview

PRODUCT AS SOLD

Signal Word Warning

Hazard Statements

- Harmful if swallowed



Appearance Off White

Physical State Solid

Odor Mild

Precautionary Statements

Prevention

- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product

General Advice

- None

Ingestion

- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth several times

Storage


- None

Disposal

- Dispose of contents/container to an approved waste disposal plant

Hazard Not Otherwise Classified (HNOC)

Not applicable

PRODUCT AT USE DILUTION			
Signal Word	Warning		
Hazard Statements	Emergency Overview		
• Harmful if swallowed			
			
Appearance Off White	Physical State Solid	Odor Mild	
Precautionary Statements			
Prevention			
• Wash face, hands and any exposed skin thoroughly after handling			
• Do not eat, drink or smoke when using this product			
General Advice			
• None			
Ingestion			
• IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell			
• Rinse mouth several times			
Storage			
• None			
Disposal			
• Dispose of contents/container to an approved waste disposal plant			

3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT AS SOLD

Chemical Name	CAS-No	Weight %	Trade secret
Mixed Ethoxylated Alcohol	NA	50 - 80	*
alcohols,c12-15, ethoxylated	68131-39-5	20 - 30	
Benzenesulphonic acid,C10-C13 alkyl derivs., sodium salts	68411-30-3	10 - 20	*
Dodecanamide, N-(2-hydroxyethyl)-	142-78-9	1 - 10	*
Bacterial spore source	NA	1 - 5	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

PRODUCT AT USE DILUTION			
Chemical Name	CAS-No	Weight %	Trade secret
Mixed Ethoxylated Alcohol	NA	0.5 – 0.8	*
alcohols,c12-15, ethoxylated	68131-39-5	0.2 – 0.3	
Benzenesulphonic acid,C10-C13 alkyl derivs., sodium salts	68411-30-3	0.1 – 0.2	*
Dodecanamide, N-(2-hydroxyethyl)-	142-78-9	0.01 - .01	*
Bacterial spore source	NA	0.01 – 0.05	*

4. FIRST AID MEASURES

PRODUCT AS SOLD

Description of necessary first-aid measures

- Eye Contact** Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if symptoms persists.
- Skin Contact** Wash off with warm water and soap. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.
- Inhalation** Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
- Ingestion** Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects Skin irritation, bitter taste

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically.

PRODUCT AT USE DILUTION	
Eye Contact	Rinse immediately with plenty of water, also under the eye lids, for at least 15 minutes. Seek immediate medical attention / advice.
Skin Contact	Wash off with warm water and soap. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
Ingestion	Do NOT induct vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water. Carbon dioxide (CO₂). Dry chemical.

Unsuitable Extinguishing Media None

Specific Hazards Arising from the Chemical

No information available

Explosion Data

Sensitivity to Mechanical Impact None
Sensitivity to Static Discharge None

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

PRODUCT AS SOLD

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Use personal protective equipment. If spilled, take caution, as material can cause surfaces to become very slippery.

Environmental Precautions

Environmental Precautions Dispose of contents/container to an approved waste disposal plant.

Methods and materials for containment and cleaning up

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

Methods for Cleaning Up Collect and reuse if possible. Following product recovery, flush area with water.

PRODUCT AT USE DILUTION	
Personal Precautions	Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Use personal protective equipment. If spilled, take caution, as material can cause surfaces to become very slippery.
Environmental Precautions	Do not flush into surface water or sanitary sewer system. Dispose of contents/container to an approved waste disposal plant. Avoid release to the environment. See Section 12 for additional Ecological Information
Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Collect and reuse if possible. Following product recovery, flush area with water.

7. HANDLING AND STORAGE

PRODUCT AS SOLD

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed. Keep container closed when not in use. Keep out of the reach of children.

Incompatible Products None known based on information supplied.

PRODUCT AT USE DILUTION	
Advice on safe handling	Do not ingest. Do not get in eyes, on skin or on clothing. Do not breathe mist. Use only with adequate ventilation. Wash hands thoroughly after handling.
Conditions for safe storage	Keep out of reach of children. Store in suitable labeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PRODUCT AS SOLD

Control Parameters

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Measures Eyewash stations

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses with side-shields. If splashes are likely to occur, wear: Goggles.

Skin and Body Protection Rubber gloves.

Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.
Hygiene Measures	Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Solid	Appearance	Off White
Odor	Mild	Odor Threshold	No information available

Property

<u>Property</u>	<u>Values for as Sold</u>
pH	NA
Melting Point/Range	48 °C / 118.4 °F
Boiling Point/Boiling Range	No data available
Flash Point	None
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Flammability Limits in Air	
upper flammability limit	No data available
lower flammability limit	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Relative Density	No data available
Specific Gravity	No data available
Water Solubility	Soluble
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

Values for Use Dilution

pH	8.0 – 9.5
Physical State	Liquid
Odor	None
Appearance	Colorless

Flammable Properties Not flammable

Explosive Properties Not explosive
Oxidizing Properties Not an oxidizer

Other information

VOC Content (%) 0%

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

None known based on information supplied.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

PRODUCT AS SOLD

Information on likely routes of exposure**Product Information**

Inhalation	May cause irritation of respiratory tract.
Eye Contact	Contact with eyes may cause irritation.
Skin Contact	Causes skin irritation.
Ingestion	Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

PRODUCT AT USE DILUTION

Inhalation	May cause irritation of respiratory tract.
Eye Contact	Contact with eyes may cause irritation.
Skin Contact	Causes skin irritation.
Ingestion	Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
alcohols,c12-15, ethoxylated	= 1830 mg/kg (Rat)	= 2480 mg/kg (Rabbit)	-
Benzenesulphonic acid,C10-C13 alkyl derivs., sodium salts	= 1020 mg/kg (Rat)	-	-

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	No information available.
Delayed and immediate effects and also chronic effects from short and long term exposure	
Sensitization	No information available.
Mutagenic Effects	No information available.
Carcinogenicity	Contains no ingredient listed as a carcinogen.
Reproductive Toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration Hazard	No information available.

Numerical measures of toxicity • - Product

The following values are calculated based on chapter 3.1 of the GHS document:

LD50 Oral	No information available.
LD50 Dermal	No information available.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Benzenesulphonic acid,C10-C13 alkyl derivs., sodium salts	EC50 96h: = 29 mg/L (Pseudokircheneriella sub.)	LC50 96 h: = 1.67 mg/L (Bluegill Sunfish)	-	EC50 48 h: = 2.9 mg/L (Daphnia magna)

Persistence and Degradability	No information available.
Bioaccumulation	No information available.

Other Adverse Effects	No information available.
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13. DISPOSAL CONSIDERATIONS

PRODUCT AS SOLD

Waste Disposal Methods Dispose of in accordance with federal, state, and local regulations

Contaminated Packaging Dispose of in accordance with federal, state, and local regulations.

PRODUCT AT USE DILUTION
 Dispose of in accordance of the federal, state, local regulations.

14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
DSL/NDSL Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

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

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations.

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA	Health Hazard 0	Flammability 0	Instability 0	Physical and Chemical Hazards -
HMIS	Health Hazard 0	Flammability 0	Physical Hazard 0	Personal Protection A

Prepared By Sunburst Chemicals
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General Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet