



SAFETY DATA SHEET

Issuing Date 26-Sept-2014

Revision Date 13-Jul-2016

Revision Number 3

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

GHS product identifier

Product Name Solid Green 34 Silverware Presoak

Other means of identification

Product Code(s) 6590

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Silverware Presoak

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 considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

PRODUCT AS SOLD

Acute Oral Toxicity	Category 4
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2

PRODUCT AT USE DILUTION

Acute Oral Toxicity	Category 4
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2

GHS Label elements, including precautionary statements

Emergency Overview

PRODUCT AS SOLD

Signal Word	Warning
Hazard Statements <ul style="list-style-type: none">• Harmful if swallowed• Causes skin irritation• Causes eye irritation	



Appearance White **Physical State** Solid **Odor** None

Precautionary Statements

Prevention

- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Use personal protective equipment as required

General Advice

- IF exposed or concerned: Get medical attention/advice

Eyes

- 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.

Skin

- IF ON SKIN: Wash with plenty of soap and water
- Take off contaminated clothing and wash before reuse
- If skin irritation occurs: Get medical advice/attention

Inhalation

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

Ingestion

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

Storage

- Store locked up
- Store in a well-ventilated place. Keep container tightly closed

Disposal

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

GHS Label elements, including precautionary statements

PRODUCT AT USE DILUTION		
Signal Word	Warning	
Hazard Statements		
<ul style="list-style-type: none"> • Harmful if swallowed • Causes skin irritation • Causes eye irritation 		
	Emergency Overview	
Appearance Colorless	Physical State Liquid	Odor None

Precautionary Statements**Prevention**

- Wear protective gloves / protective clothing / eye protection / face protection
- Wash face, hands and exposed skin thoroughly after handling.

General Advice

- IF exposed or concerned: Get medical attention/advice

Eyes

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- if eye irritation persists: get medical advice / attention.

Skin

- IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water.
- Wash contaminated clothing before reuse
- If skin irritation occurs: Get medical advice / attention

Inhalation

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- Call a POISON CENTER or doctor / physician if you feel unwell.

Ingestion

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

Storage

- Store locked up
- Store in a well-ventilated place. Keep container tightly closed

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
Urea	57-13-6	20 - 40	*
Sodium Citrate	6132-04-3	20 - 40	*
Methyl-oxirane polymer with oxirane	9003-11-6	10 - 30	*
Sodium Carbonate	497-19-8	10 - 30	*
Subtilisins	9014-01-1	1 - 5	*

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

PRODUCT AT USE DILUTION

Contains ingredients listed above at weight % less than 0.5%

4. FIRST AID MEASURES**PRODUCT AS SOLD****Description of necessary first-aid measures**

General Advice – If you unwell or are concerned about contact, call a doctor / physician for advice.

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, 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.

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 No information available.

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.
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

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with eyes. If spilled, take caution, as material can cause surfaces to become very slippery.

PRODUCT AS SOLD

Environmental Precautions

Environmental Precautions Collect spillage. Dispose of contents to an approved waste disposal receptacle.

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 Pick up solid spills with shovel or mop. Dispose of materials in trash receptacle or by rinsing to drain.

PRODUCT AT USE DILUTION	
Environmental Precautions	Rinse spilled solutions to the drain.
Methods for Containment	Prevent further leakage and leakage, mop or wipe up spilled solution.
Methods for Cleaning Up	Rinse to drain.

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 breathe vapors or spray mist. Do not eat, drink or smoke when using this product, or its use solutions.

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

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 goggles.

Skin and Body Protection

Rubber or vinyl gloves recommended when handling solid chemicals or their use solutions.

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

PRODUCT AS SOLD

Information on basic physical and chemical properties

Physical State

Solid

Appearance

White

Odor

None

Odor Threshold

No information available

Property

Values for Product as Sold

Values for Product at Use Dilution

pH

N/A

9.0-10.5

Melting Point/Range

60 °C / 140 °F

Boiling Point/Boiling Range

None

212 °F

Flash Point

None.

Evaporation rate

No data available

Physical State – Liquid

Flammability (solid, gas)

No data available

Odor – None

Flammability Limits in Air

Appearance - Colorless

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

Complete

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

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:

Eye Contact	Causes eye irritation.
Skin Contact	Causes skin irritation.
Ingestion	Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

PRODUCT AT USE DILUTION

Eye Contact	Causes eye 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
Sodium Carbonate	= 4090 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 carcinogenic ingredients.

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)
Sodium Carbonate	-	LC50 96 h: = 300-320 mg/L (Bluegill Sunfish)	-	EC50 48h: = 265 mg/L (Daphnia magna)

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

Other Adverse Effects

No information available.

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

<u>DOT</u>	Not regulated
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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 contains no substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, contains no substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

U.S. State Regulations

California Proposition 65

This product contains no Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

None.

U.S. EPA Label Information

EPA Pesticide Registration Number

Not applicable

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazard 1	Flammability 0	Instability 0	Physical and Chemical Hazards -
<u>HMIS</u>	Health Hazard 1	Flammability 0	Physical Hazard 0	Personal Protection A

Prepared By	Sunburst Chemicals
Sunburst Chemicals	220 W. 86 th Street Bloomington, MN 55420 952-884-3144
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Revision Note	Update

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