

Safety Data Sheet: Simple Green® Lime Scale Remover

WPS - 1033723

Issuing Date: No data available

Revision Date: 22-Oct-2015

Revision Number: 2

In accordance with OSHA HCS-2012 / GHS

Precautionary Statements – Prevention: Obtain special instructions before use.
 P260 – Do not breathe dusts or mists.
 P264 – Wash hands thoroughly after handling.
 P280 – Wear protective gloves and eye protection.

Precautionary Statements – Response: P301+P330+P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+P361+P353 – IF ON SKIN (or hair): take off immediately all contaminated clothing. Rinse skin with water.
 P363 – Wash contaminated clothing before reuse.
 P304+P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P310 – Immediately call a POISON CENTER.
 P321 – Specific treatment (see first aid on this label)
 P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary Statements – Storage: P405 – Store locked up.

Precautionary Statements – Disposal: P501 – Dispose of contents/container in accordance with local/regional/national regulations.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC) Not applicable

UNKNOWN TOXICITY The mixture does not consist of ingredient(s) of unknown toxicity.

OTHER INFORMATION**INTERACTIONS WITH OTHER CHEMICALS**

Mixing with oxidizers, acids, or chlorines may release vapor.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight Percent	Trade Secret
Urea Monohydrochloride	506-89-8	5 – 10	*
Alcohols, C9-11, ethoxylated	68439-46-3	1 – 5	*
Sodium Citrate	6132-04-3	1 – 5	*
Potassium Iodide	7681-11-0	0.01 – 0.1	*
Sodium Sulfate	7757-82-6	0.0001 – 0.001	*

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

Section 4: FIRST-AID MEASURES**FIRST AID MEASURES**

Eye Contact: 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.

Skin Contact: IF ON SKIN (or hair): take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a POISON CENTER.

Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER.

Ingestion: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER.

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MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Most Important Symptoms and Effects: No information available

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Notes to physician: Treat symptomatically.

Section 5: FIRE-FIGHTING MEASURES

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

Unsuitable Extinguishing Media: CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards arising from the Chemical: No information available.

Hazardous Combustion Products: Carbon oxides.

EXPLOSION DATA

Sensitivity to Mechanical Impact: No

Sensitivity to Static Discharge: No.

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.

Section 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal Precautions: Avoid contact with eyes and skin.

ENVIRONMENTAL PRECAUTIONS

Environmental Precautions: Refer to protective measures listed in Sections 7 and 8.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

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

Methods for Cleaning Up: Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Section 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes and skin.

PRECAUTIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

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*In accordance with OSHA HCS-2012 / GHS***Storage:** Keep container tightly closed. Store locked up.**Incompatible Products:** Oxidizers, acids, chlorines**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION****CONTROL PARAMETERS****Exposure Guidelines:** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.**APPROPRIATE ENGINEERING CONTROLS****Engineering Measures:** Showers, Eyewash stations, Ventilation systems**INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT****Eye/Face Protection:** Goggles or eye protection recommended.**Skin and Body Protection:** Gloves recommended.**Respiratory Protection:** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice.**Section 9: PHYSICAL AND CHEMICAL PROPERTIES****PHYSICAL AND CHEMICAL PROPERTIES****Physical State:** Liquid
Appearance: Clear
Color: Teal**Odor:** Wintergreen
Odor Threshold: No information available

<u>PROPERTY</u>	<u>VALUES</u>	<u>REMARKS/METHOD</u>
pH:	1.0 – 1.5	None Known
Melting / freezing point:	0°C	None Known
Boiling point / boiling range:	101°C / 212°F	None Known
Flash Point:	5001°C / 9034°F; non-flammable	None Known
Evaporation Rate:	No data available	None Known
Flammability (solid, gas):	No data available	None Known
Upper Flammability Limit in Air:	No data available	None Known
Lower Flammability Limit in Air:	No data available	None Known
Vapor Pressure:	No data available	None known
Vapor Density:	No data available	None known
Specific Gravity:	1.01 – 1.03	None known
Water Solubility:	Soluble in water	None known
Solubility in other solvents:	No data available	None known
Partition coefficient: n-octanol/water:	No data available	None known
Autoignition temperature:	No data available	None known

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Decomposition temperature:	No data available	None known
Kinematic viscosity:	No data available	None known
Dynamic viscosity:	No data available	None known
Explosive properties:	No data available	None known
Oxidizing properties:	No data available	None known

OTHER INFORMATION

Softening Point:	No data available
VOC Content (%):	0.001%
Particle Size:	No data available
Particle Size Distribution:	No data available

Section 10: STABILITY AND REACTIVITY

Reactivity:	No data available.
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 based on information supplied.
Incompatible materials:	Acids, oxidizers, and chlorinated products.
Hazardous Decomposition Products:	Carbon oxides.

Section 11: TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

Product Information:	Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation:	Specific test data for the substance or mixture is not available.
Eye Contact:	Specific test data for the substance or mixture is not available.
Skin Contact:	Classifies as mild corrosive per Corrositex™ In-Vitro Dermal Corrosivity testing.
Ingestion:	Specific test data for the substance or mixture is not available.
Component Information:	None supplied.

INFORMATION ON TOXICOLOGICAL EFFECTS

Symptoms:	No information available.
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DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE

Sensitization:	No information available.
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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.

Chronic Toxicity: No known effect based on information supplied.

Target Organ Effects: None known.

Aspiration Hazard: No information available.

NUMERICAL MEASURES OF TOXICITY

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

ATEmix (oral): 15,321 mg/kg

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: The environmental impact of this product has not been fully investigated.

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Other Adverse Effects: No information available.

Section 13: DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

Disposal Methods: Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated packaging: Dispose of contents/containers in accordance with local regulations.

California Hazardous Waste Codes: 791

Section 14: TRANSPORT INFORMATION

DOT

UN 3265 Corrosive liquid, acidic, organic, n.o.s. (urea hydrochloride), III, 8

Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s. (urea hydrochloride)

Hazard Class: 8

UN Number: UN 3265

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Packing Group: III

Limited Quantity [49 CFR 173.154(b)(2)] For corrosive materials in Packing Group III, inner packagings not over 5.0 L (1.3 gallons) net capacity each for liquids or not over 5.0 kg (11 lbs) net capacity each for solids, packed in a strong outer packaging.

Consumer Commodity [49 CFR 173.154(b)(C)] Until December 31, 2020, a limited quantity package containing a “consumer commodity” as defined in §171.8 of this subchapter, may be renamed “Consumer commodity” and reclassified as ORM-D or, until December 31, 2012, as ORM-D-AIR material and offered for transportation and transported in accordance with the applicable provisions of this subchapter in effect on October 1, 2010.

Exceptions Non-Bulk: 49 CFR 173.203

Exceptions Bulk: 49 CFR 173.241

TDG

Proper Shipping Name: UN 3265 Corrosive liquid, acidic, organic, n.o.s. (urea hydrochloride), III, 8

Hazard Class: 8

Limited Quantity: 5 L

MEX

Proper Shipping Name: UN 3265 Corrosive liquid, acidic, organic, n.o.s. (urea hydrochloride), III, 8

Hazard Class: 8

ICAO

Proper Shipping Name: UN 3265 Corrosive liquid, acidic, organic, n.o.s. (urea hydrochloride), III, 8

Hazard Class: 8

IATA

Proper Shipping Name: UN 3265 Corrosive liquid, acidic, organic, n.o.s. (urea hydrochloride), III, 8

Hazard Class: 8

Quantity Limitations Passenger Aircraft 49 CFR 173.27 & 175.75: 5 L

Quantity Limitations Cargo Aircraft Only 49 CFR 173.27 & 175.75: 60 L

IMDG/IMO

Proper Shipping Name: UN 3265 Corrosive liquid, acidic, organic, n.o.s. (urea hydrochloride), III, 8

Hazard Class: 8

Limited Quantity: 5 L

Vessel Storage: A

Other: 40

RID

Proper Shipping Name: UN 3265 Corrosive liquid, acidic, organic, n.o.s. (urea hydrochloride), III, 8

Hazard Class: 8

ADR

Proper Shipping Name: UN 3265 Corrosive liquid, acidic, organic, n.o.s. (urea hydrochloride), III, 8

Hazard Class: 8

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Proper Shipping Name: UN 3265 Corrosive liquid, acidic, organic, n.o.s. (urea hydrochloride), III, 8

Hazard Class: 8

Section 15: REGULATORY INFORMATION**INTERNATIONAL INVENTORIES**

TSCA – United states Toxic Substances Control Act Section 8(b) Inventory: Complies.

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List: All components are listed either on the DSL or NDSL.

US Consumer Product Safety commission Regulations

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). However, the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. Therefore, the requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC, and this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

US FEDERAL REGULATIONS

SARA 313: 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.

CWA (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 122.40).

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

US STATE REGULATIONS

California Proposition 65: This product does not contain any Proposition 65 chemicals.

US STATE RIGHT-TO-KNOW REGULATIONS

Sodium Sulfate 7757-82-6 Massachusetts, Pennsylvania

INTERNATIONAL REGULATIONS

Canada – WHMIS Hazard Class: Non-controlled

Section 16: OTHER INFORMATION

NFPA:	Health Hazards - 3	Flammability - 0	Instability - 0	Physical and Chemical Hazards - None
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HMIS:	Health Hazards - 3	Flammability - 0	Instability - 0	Physical and Chemical Hazards - X
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Prepared / Revised By: Sunshine Makers, Inc.
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1-800-228-0709

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Revision Note: Update to Section 14 shipping information

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 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