

SAFETY DATA SHEET

LIME SCALE REMOVER

1. Product and Company Identification

Product Code: LSR41
Product Name: **LIME SCALE REMOVER**
 (4658)

Revision: 07/19/2017

 Supersedes Revision: 06/13/2014

Emergency Contact: Infotrac: (800)535-5053

Company Name: GREENEX CLEAN GROUP LLC
 238 ST. NICHOLAS AVE
 SOUTH PLAINFIELD, NJ 07080
 www.greanexclean.com

Phone Number:
 866/510-8080

2. Hazards Identification

Serious Eye Damage/Eye Irritation, Category 2



GHS Signal Word:	GHS	Warning	H319 - Causes serious eye irritation.
Hazard Phrases:	GHS		
Precaution Phrases:			P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves and eye protection.
GHS Response Phrases:			P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or physician for treatment advice. Have product container or label with you when calling poison control center or physician. P337+313 - If eye irritation persists, get medical advice/attention.
GHS Storage and Disposal Phrases:			No phrases apply.
Potential Health Effects (Acute and Chronic):			
Inhalation:			Causes respiratory tract irritation.
Skin Contact:			Causes skin irritation.
Eye Contact:			Causes eye irritation.
Ingestion:			May be harmful if swallowed.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
77-92-9	Citric acid	<15.0 %

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4. First Aid Measures

Emergency and First Aid

Procedures:

In Case of Inhalation:	If breathed in, move person into fresh air.
In Case of Skin Contact:	If irritation develops, get medical aid. Wash off with soap and plenty of water.
In Case of Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
In Case of Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Signs and Symptoms Of Exposure:

Vomiting, Diarrhea. Damage to tooth enamel. Dermatitis.

5. Fire Fighting Measures

Flash Pt:	No data.	
Explosive Limits:	LEL: No data.	UEL: No data.
Autoignition Pt:	No data.	
Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.	
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.	
Flammable Properties and Hazards:	No data available.	

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled:	Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Personal precautions. Use personal protective equipment. Ensure adequate ventilation. Environmental precautions. Do not let product enter drains. Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.
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7. Handling and Storage

Precautions To Be Taken in Handling:	No special handling procedures are required. Avoid contact with skin and eyes. Normal measures for preventive fire protection.
Precautions To Be Taken in Storing:	No special storage requirements. Keep container tightly closed in a dry and well-ventilated place.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
77-92-9	Citric acid	No data.	No data.	No data.
Respiratory Equipment (Specify Type):	Respirator protection is not normally required.			
Eye Protection:	Safety glasses.			
Protective Gloves:	Handle with gloves.			
Other Protective Clothing:	Protective garments not normally required.			
Engineering Controls (Ventilation etc.):	There are no special ventilation requirements.			
Work/Hygienic/Maintenance	Handle in accordance with good industrial hygiene and safety practice. Wash hands			

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Practices: before breaks and at the end of workday.

9. Physical and Chemical Properties

Physical States: Gas Liquid Solid

Appearance and Odor: Clear tan liquid
Mild odor.

Melting Point: No data.

Boiling Point: No data.

Autoignition Pt: No data.

Flash Pt: No data.

Explosive Limits: LEL: No data. UEL: No data.

Specific Gravity (Water = 1): ~ 1.05

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Evaporation Rate: No data.

Solubility in Water: Complete

Viscosity: Thin

pH: ~ 2.8 @ 1%

Percent Volatile: No data.

10. Stability and Reactivity

Stability: Unstable Stable

Conditions To Avoid - Instability: No data available.

Incompatibility - Materials To Avoid: chlorine, Oxidizing agents, Bases.

Hazardous Decomposition or Byproducts: Carbon oxides.

Possibility of Hazardous Reactions: Will occur Will not occur

Conditions To Avoid - Hazardous Reactions: No data available.

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11. Toxicological Information

Toxicological Information: No data available.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
77-92-9	Citric acid	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

No data available.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. Disposal Considerations

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not regulated as a hazardous material.

DOT Hazard Class:

UN/NA Number:

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
77-92-9	Citric acid	No	No	No

CAS # **Hazardous Components (Chemical Name)** **Other US EPA or State Lists**

77-92-9 Citric acid CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

16. Other Information

Revision Date: 07/19/2017

Preparer Name: Regulatory Affairs

Hazard Rating System:

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PPE	B

HMIS:

Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

The information contained in this Safety Data Sheet is provided pursuant to current OSHA regulations to convey information concerning the hazardous nature of the named product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure

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situations expected from the intended use of this product. The material(s) may present greater or lesser hazard exposure under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all directions and warnings on the product label be read and closely followed.