

SAFETY DATA SHEET

F-JS-275/276

Simple Green Lime Scale Remover

SECTION 1 - Identification

PRODUCT IDENTITY: Simple Green Lime Scale Remover

PRODUCT NUMBER: F-JS-275/276

CORNHUSKER STATE INDUSTRIES
800 PIONEERS BLVD
LINCOLN, NEBRASKA 68502
PHONE: 800-348-7537 or 402-471-4597

Emergency Phone Number
CHEMTREC
1-800-424-9300

Recommended Use: Acid based cleaner for the removal of lime, scale, and mineral buildup.

Restrictions on Use: Do not use in conjunction with other chemicals OR with on surfaces not resistant to acids.

SECTION 2 – Hazard(s) Identification

Physical Hazards: Not classified

Health Hazards: Skin corrosion/irritation: Category 1C

OSHA defined hazards: Not classified

Label Elements



Signal Word: Danger

Hazard statement: Causes severe skin burns and eye damage.

Prevention: Do not breathe dusts or mists. Wash hands thoroughly after handling. Wear protective gloves/eye protection.

Response:
IF SWALLOWED: Rinse mouth. Do **NOT** induce vomiting.
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 person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER. Specific treatment (see first aid on this label).
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage: Store locked up.

Disposal: Dispose of contents/container in accordance with local/regional/national requirements.

Hazard(s) not otherwise classified (HNOC): None

Supplemental information: None Known

SECTION 3 – Composition/ Information on Ingredients

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent Range</u>
Water	7732-18-5	>81%*
Urea Hydrochloride	506-89-8	≤ 6%*
Sodium Citrate	6123-04-3	<5%*
Ethoxylated Alcohol	68439-46-3	<5%*
Potassium Iodide	7681-11-0	<1%*
Fragrance	Proprietary Mixture	<1%*
Colorant	Proprietary Mixture	<1%*

*specific percentages of composition are being withheld as a trade secret.

SECTION 4 – First-aid Measures

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

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

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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.

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

Most Important Symptoms/ Effects, Acute and Delayed: None known.

Indication of Immediate Medical Attention and Special Treatment Needed, if necessary: Treat symptomatically

SECTION 5 – Fire-Fighting Measures

Suitable & Unsuitable Extinguishing Media: Use dry chemical, CO₂, water spray or “alcohol” foam. Avoid high volume jet water.

Specific hazards arising from Chemical: In event of fire, fire created carbon oxides may be formed.

Special protective Actions for firefighters: Wear positive pressure self-contained breathing apparatus: Wear full protective clothing.

This product is non-flammable. See Section 9 for Physical Properties.

SECTION 6 – Accidental Release Measures

Personal precautions, Protective equipment & emergency procedures: For non-emergency and emergency personnel: See section 8- personal protection. Avoid eye contact. Safety goggles required.

Environmental Precautions: Do not allow into open waterways and ground water systems.

Methods and materials for containment and cleaning up: Dike or soak up with inert absorbent material.

SECTION 7 – HANDLING & STORAGE

Precautions for safe handling: Ensure adequate ventilation. Keep out of reach of children. Keep away from heat, sparks, open flame and direct sunlight. Do not pierce any part of the container. Do not mix or contaminate with other chemical. Do not eat, drink or smoke while using this product.

Conditions for safe storage, including any incompatibilities: Keep container tightly close. Keep in cool dry area. Avoid prolonged exposure to sunlight. Do not store at temperature above 109° F (42.7° C). If separation occurs, mix the product for reconstitution.

SECTION 8 – Exposure Controls/Personal Protection

Exposure Limit Values: No components listed with TWA or STEL values under OSHA or ACGIH.

Appropriate engineering controls: Showers, eyewash stations, ventilation systems

Individual protection measures / Personal Protective Equipment (PPE):

Eye Contact: Use protective glasses or safety goggles if splashing or spray-back is likely.

Respiratory: Use in well ventilated areas or local exhaust ventilations when cleaning small spaces.

Skin Contact: Use protective gloves (any material) when used for prolonged periods or dermally sensitive.

General Hygiene Considerations: Wash thoroughly after handling and before eating or drinking.

SECTION 9 – Physical and Chemical Properties

Appearance: Turquoise Liquid

Odor: Added wintergreen odor

Odor Threshold: Not determined

pH: 1.0-1.5

Freezing Point: 0° C (32° F)

Partition Coefficient: n-octanol/water: Not determined

Autoignition Temperature: Non-flammable

Decomposition Temperature: 109° F

Viscosity: Like water

Specific gravity: 1.00-1.03

Boiling Point & Range: 101° C (213.8° F)

Flash point: > 212° F

Evaporation Rate: Not determined

Flammability (solid, gas): Not determined

Upper/Lower Flammability or Explosive Limits: N/A

Vapor Pressure: Not determined

Vapor Density: Not determined

VOC'S: ** Water & fragrance exemption in calculation.

SCAQMD 304-91 / EPA 24: Not Tested

CARB Method 310**: 0.1g/l 0.000 lb. /gal 0.01%

SCAQMD Method 313: Not tested

VOC Composite Partial Pressure: Not determined

Relative Density ASTM D-4017: 8.34-8.59 lb. /gal

Solubility: 100% in water

SECTION 10 – Stability & Reactivity

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Reactivity: Non-reactive

Chemical stability: Stable under normal conditions 70° F (21° C) and 14.7 psig (760 mmHg).

Possibility of hazardous reactions: None Known.

Conditions to Avoid: Excessive heat or cold.

Incompatible materials: Do not mix with oxidizers, acids, bathroom cleaners, disinfecting agents or ammonia.

Hazardous decomposition products: Normal products of combustion –CO, CO₂.

SECTION-11 - TOXICOLOGICAL Information

Likely Routes of Exposure: Inhalation – Overexposure may cause headache.

Skin Contact – Up to four hours of contact with no rinsing may lead to corrosion.

Eye Contact – Up to four hours of contact with no rinsing may lead to corrosion.

Ingestion -May cause stomach upset.

Symptoms related to the physical, chemical and toxicological characteristics: no symptoms expected under typical use conditions. Delayed and immediate effects and or chronic effects from short term exposure: no symptoms expected under typical use conditions. Delayed and immediate effects and or chronic effects from long term exposure: headache, dry skin, or skin irritation may occur.

Interactive effects: Not known.

Numerical Measures of Toxicity

Acute toxicity: Oral LD₅₀ (rat) >5 g/kg body weight

Dermal LD₅₀ (rabbit) >5 g/kg body weight

Calculated via OSHA HCS 2102 / Globally Harmonized System of Classification and Labeling of Chemicals.

Skin Corrosion/ Irritation: Mild Corrosive per Corrositex-In Vitro Dermal Corrosivity testing.

Eye Damage/ Irritation: Mild Corrosive per Corrositex-In Vitro Dermal Corrosivity testing.

Germ Cell Mutagenicity: Mixture does not classify under this category.

Carcinogenicity: Mixture does not classify under this category.

Reproductive Toxicity: Mixture does not classify under this category.

STOT-Single Exposure: Mixture does not classify under this category.

STOT-Repeated Exposure: Mixture does not classify under this category.

Aspiration Hazard: Mixture does not classify under this category.

SECTION 12 – ECOLOGICAL INFORMATION

N/A

SECTION 13 – DISPOSAL CONSIDERATIONS

N/A

SECTION 14 – TRANSPORT INFORMATION

N/A

SECTION 15 _ REGULATORY INFORMATION

N/A

SECTION 16 – OTHER INFORMATION

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Disclaimer: The information in the sheet was written based on the best knowledge and experience currently available. 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 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. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release.