

Prism Environmental® HOT SHOT Lime, Scale & Rust Remover

1. IDENTIFICATION

Product name: Prism Environmental HOT SHOT Lime, Scale & Rust Remover
Product codes: BC403HS04
Recommended use: Lime Scale & Rust Remover.
Restrictions on use: Uses other than those mentioned on the label are not recommended.
Manufacturer: Prism Care Corporation, 3-3580 Laird Road, Mississauga, Ontario L5L 5Z7
 Phone: 1-888-538-3300; Fax: (905) 820-5005
Emergency telephone number: CANUTEC 1-613-996-6666

2. HAZARDS IDENTIFICATION

Classification of the product as sold:

This product is classified as hazardous according to OSHA 29CFR 1910.1200 (Hazard Communication Standard 2012-GHS) and Canadian WHMIS 2015 Hazardous Products Regulation.

Metal Corrosion Category 1
 Skin Corrosion/Irritation Category 2
 Serious Eye Damage/Eye Irritation Category 1

Label elements
 Hazard pictograms:



GHS05

Signal word: Danger

Hazard statements: Causes skin irritation, causes serious eye damage, may be corrosive to metals.

Precautionary statements:

Do not breathe fumes/gas/mist/vapours/spray.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Keep only in original packaging.
 Wash hands thoroughly after handling.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a poison centre or a doctor.
 IF ON SKIN (or hair): Take off all contaminated clothing. Rinse skin with water (or shower).
 IF INHALED: Remove person to fresh air.
 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Immediately call a poison centre or a doctor.
 Wash contaminated clothing before reuse.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Classified Ingredients

Ingredient	Cas #	Weight %
Urea Hydrochloride	506-89-8	20-40%

Additional Information: Any concentration shown as a range is to protect confidentiality or is due to batch variation.

4. FIRST AID MEASURES

Eyes: IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a poison centre or a doctor.

Skin: IF ON SKIN, take off all contaminated clothing. Rinse skin with water (or shower).

Inhalation: IF INHALED, remove person to fresh air.

Ingestion: IF SWALLOWED, rinse mouth. DO NOT induce vomiting. Immediately call a poison centre or a doctor. Wash contaminated clothing before reuse.

Most important symptoms/effects: No further information available.

5. FIRE-FIGHTING MEASURES

Specific methods: No special methods required.

Suitable extinguishing media: The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

Specific hazards: Not applicable.

Special 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: Put on appropriate personal protective equipment (see Section 8).

Environmental precautions and clean-up methods: For spills or leaks of small volumes, wash area with water and dispose of product in sewer or drain. For larger volume, adsorb spill with inert material (e.g. dry sand or earth), then place in suitable container for disposal. Use water for a final rinse/clean up.

7. HANDLING AND STORAGE

Handling: Use appropriate hygiene measures and avoid contact with eyes, skin and clothing.

Storage: Keep container tightly closed when not in use, store under lock and key and out of reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

Ingredient	Cas #	Weight %	ACGIH	OSHA
Urea Hydrochloride	506-89-8	20-40%	-	-

Engineering measures to reduce exposure: Good general ventilation should be sufficient to control airborne levels.

Personal protective equipment:

Eye protection: Chemical-splash goggles.

Hand protection: Chemical-resistant gloves.

Skin and body protection: No special requirements under normal use conditions.

Respiratory protection: No special requirements under normal use conditions.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

	Lime, Scale & Rust Remover
Physical state	Liquid
Colour	Colourless
pH	<1
VOCs	0
Odour	Scent Free
Evaporation rate	No information available
Odour threshold	No information available
Melting point / range	No information available
Boiling point / range	No information available
Decomposition temperature	No information available
Autoignition temperature	No information available
Solubility in water	Completely soluble
Solubility in other solvents	No information available
Relative density (relative to water)	No information available
Density	No information available
Vapor density	No information available
Bulk density	No information available
Vapour pressure	No information available
Flash point	>200 °F; > 93.3 °C
Partition coefficient	No information available
Viscosity	No information available

10. STABILITY AND REACTIVITY

Reactivity: No data available.

Stability: The product is stable under recommended storage conditions.

Hazardous decomposition products: No data available.

Possibility of hazardous reactions: Reacts with acids.

Incompatible materials: Ammonia, Oxidizing agents, Bases. Do not mix with chlorinated products (such as bleach). This product can react with strong alkaline products resulting in spattering and excessive heat. Do not mix with any other chemical. Corrosive to aluminum, tin, lead and zinc.

Conditions to avoid: Avoid freezing and extreme heat conditions.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Eye contact: Corrosive. May cause serious eye damage.

Skin contact: May cause skin irritation.

Inhalation: May cause irritation of respiratory tract.

Ingestion: May cause serious damage to mouth, throat and stomach. Symptoms may include stomach pain and nausea.

Delayed, immediate or chronic effects and symptoms from short and long-term exposure:

Sensitization: No known effects.

Mutagenicity: No information available.

Carcinogenicity: No information available.

Numerical measures of toxicity:

ATE (Oral) =>3,000 mg/kg.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity: No information available.

Persistence and degradability:

Not expected to be persistent in the environment, readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Disposal of wastes: Dispose in accordance to local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT/TDG/IMDG:

UN NUMBER: 3265

TDG CLASSIFICATION: 8

PROPER SHIPPING NAME: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (UREA HYDROCHLORIDE)

PACKING GROUP: 111

15. REGULATORY INFORMATION

International Inventories:

All components of this product are listed on the following inventories:

DSL/NDSL – Canadian Domestic Substances List / Non-Domestic Substances List.

TSCA – United States Toxic Substances Control Act

16. OTHER INFORMATION

NFPA / HMIS Information

Health	3
Flammability	0
Instability	0

NFPA / HMIS HAZARD CODES

Minimal = 0 Slight = 1
Moderate = 2 Serious = 3
Severe = 4

Prepared by: Technical Department, Prism Care Corporation

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Reason for revision: For GHS compliance under Canadian WHMIS 2015.

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