

SALT STAIN REMOVER

SECTION 1. IDENTIFICATION

Product Identifier	SALT STAIN REMOVER
Other Means of Identification	SALT STAIN CLEANER
Recommended Use	Removes stubborn salt stains efficiently.
Manufacturer	Laboratoire Hygienex Inc. 6400 Zéphirin-Paquet Québec, Québec, G2C-0M3 (418) 522-2332 www.hygienex.com
SDS No.	14

SECTION 2. HAZARD IDENTIFICATION

Classification

Corrosive to metals - Category 1; Skin corrosion - Category 1; Serious eye damage - Category 1

Label Elements



Signal Word:

Danger

Hazard Statement(s):

May be corrosive to metals.

Causes severe skin burns and eye damage.

Precautionary Statement(s):

Prevention:

Do not breathe dusts or mists.

Wash hands and skin thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Storage:

Store in corrosion resistant container with a resistant inner liner.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Urea, sulfate (1:1)	21351-39-3	7-13	Not Applicable	Not Applicable
Citric acid	77-92-9	7-13	Not Applicable	Not Applicable
Diethylene glycol monobutyl ether	112-34-5	1-5	Not Applicable	Not Applicable
Urea, monohydrochloride	506-89-8	1-5	Not Applicable	Not Applicable

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Keep at rest in a position comfortable for breathing. Call a Poison Centre or doctor. Specific treatment is required.

Skin Contact

Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Immediately rinse skin with lukewarm, gently flowing water for at least 60 minutes.

Eye Contact

Quickly and gently blot or brush chemical off the face. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Take care not to rinse contaminated water into the unaffected eye or onto the face.

Ingestion

Rinse mouth with water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Immediately call a Poison Centre or doctor. Specific treatment is required.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Use water to keep non-leaking, fire-exposed containers cool.

Specific Hazards Arising from the Product

Heating increases the release of toxic vapour.

Special Protective Equipment and Precautions for Fire-fighters

Evacuate area. Fight fire from a safe distance or a protected location. Approach fire from upwind to avoid hazardous vapours or gases.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Evacuate downwind locations. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Use the personal protective equipment recommended in Section 8 of this safety data sheet. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Remove or isolate incompatible materials as well as other hazardous materials.

Environmental Precautions

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

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Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Remove or recover liquid using pumps or vacuum equipment. Flush spill area. Dike and recover contaminated water for appropriate disposal. Store recovered product in suitable containers that are: covered, corrosion-resistant, tightly-covered.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Obtain special instructions before use. Do not breathe in this product. Prevent all skin contact. Do not get in eyes. Only use where there is adequate ventilation. In the event of a spill or leak, exit the area immediately. If product is transferred to another container, ensure new container is suitable for the product. Prevent accidental contact with incompatible chemicals. Wear personal protective equipment to avoid direct contact with this chemical. Avoid repeated or prolonged skin contact with product or with contaminated equipment/surfaces. Use corrosion-resistant tools and equipment. See Section 10 (Stability and Reactivity) for suitable materials. Immediately remove any clothing which becomes wet or heavily contaminated.

Conditions for Safe Storage

Store in an area that is: well-ventilated, separate from incompatible materials (see Section 10: Stability and Reactivity). Keep amount in storage to a minimum.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air. Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

Wear a NIOSH approved air-purifying respirator with N100, R100, or P100 filter(s).

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance Clear red.

Odour Fruity

pH 1.3

Other Information

Physical State Liquid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Strong oxidizer.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

Alkaline conditions (high pH), heat, increased temperature.

Conditions to Avoid

Heat. High temperatures. Freezing. Alkaline conditions (high pH).

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Incompatible Materials

Metals (e.g. aluminum), strong bases (e.g. sodium hydroxide).

Hazardous Decomposition Products

Corrosive chemicals.

SECTION 11. TOXICOLOGICAL INFORMATION**Acute Toxicity**

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Diethylene glycol monobutyl ether		5000 mg/kg (rat)	2764 mg/kg (rabbit)
Urea, sulfate (1:1)	213 mg/m ³ (rat) (4-hour exposure)	1530 mg/kg (rat) (4-hour exposure)	2740 mg/kg (rabbit) (4-hour exposure)
Urea, monohydrochloride	255 mg/m ³ (rat) (4-hour exposure)	2140 mg/kg (rat) (4-hour exposure)	
Citric acid		5040 mg/kg (rat)	

Skin Corrosion/Irritation

May cause very mild irritation based on information for closely related chemicals.

Serious Eye Damage/Irritation

May cause very mild irritation based on information for closely related chemicals.

STOT (Specific Target Organ Toxicity) - Single Exposure**Inhalation**

May be toxic by inhalation.

Skin Absorption

No information was located.

Ingestion

May be toxic by ingestion.

Aspiration Hazard

No information was located.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

Respiratory and/or Skin Sensitization

No information was located.

Carcinogenicity

No information was located.

Reproductive Toxicity**Development of Offspring**

No information was located.

Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS.

Ecotoxicity

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Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Diethylene glycol monobutyl ether	2400 mg/L (Lepomis macrochirus (bluegill); 48-hour; static)	100 mg/L (Daphnia magna (water flea); 48-hour)		

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations. This product and its container must be disposed of as hazardous waste. Do NOT dump into any sewers, on the ground or into any body of water.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
TMD au Canada	1760	Urea, sulfate (1:1) (Liquide Corrosive, N.O.S.)	8	III

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canadian ingredient disclosure list (Level 0.1%):

None of the components is superior to 0.1%

Canadian ingredient disclosure list (Level 1%):

See section 3.

SECTION 16. OTHER INFORMATION

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Key to Abbreviations CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

References

<https://echa.europa.eu/fr/>

<http://www.csst.qc.ca/Pages/index.aspx>.

Security data sheets of the suppliers.

Additional Information The preceding indications are based on our current knowledge but do not represent a guaranty in terms of the product's proprieties and do not establish a legally valid contractual relationship. The manipulation and use conditions of the product go beyond the rep's control. It is the user's responsibility to evaluate all available information before using the product, no matter the type of use, and to respect all local, provincial and federal legislations and laws.

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