

URINE REMOVER

SECTION 1. IDENTIFICATION

Product Identifier	URINE REMOVER
Other Means of Identification	ESTEAM URINE REMOVER
Product Family	mixture
Recommended Use	Stain remover.
Restrictions on Use	Not for use on stain resistant carpet.
Manufacturer	Esteam Mfg Ltd, 3750 19th NE , Calgary , Alberta, T2E6V2, 403-291-7050, esteam.com
Emergency Phone No.	Canutec, 1-613-996-6666, 24 hr
Date of Preparation	March 20, 2018

SECTION 2. HAZARD IDENTIFICATION

Classification

Skin corrosion - Category 1B; Serious eye damage - Category 1

Label Elements



Signal Word:
Danger

Hazard Statement(s):

Causes severe skin burns and eye damage.

Prevention:

Do not breathe dusts or mists.
Wash hands 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 all contaminated clothing immediately, Rinse skin with water
Wash contaminated clothing before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Immediately call a POISON CENTER or doctor.

Product Identifier: URINE REMOVER - Ver. 1
Date of Preparation: March 20, 2018
Date of Last Revision:

Storage:
Store locked up.

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
Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	68424-85-1	3-7		
Glycine, N,N'-1, 2-ethanediylbis(N-(carboxymethyl)-, tetrasodium salt, tetrahydrate	13235-36-4	1-3		
Citric acid	77-92-9	1-5		
Alcohol Ethoxylate	68991-48-0	1-5		

Notes

*The exact percentage (concentrations) of the substance in the mixture has been withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Rinse with lukewarm, gently flowing water for 5 minutes. Contact a physician if irritation persists.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice or attention.

Ingestion

Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned. DO NOT induce vomiting unless directed to do so by medical personnel.

Most Important Symptoms and Effects, Acute and Delayed

If on skin: repeated or prolonged exposure can irritate or burn the skin.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Specific Hazards Arising from the Product

Does not burn.

Special Protective Equipment and Precautions for Fire-fighters

As in any fire, wear self-contained breathing apparatus and protective suit.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Product Identifier: URINE REMOVER - Ver. 1

Date of Preparation: March 20, 2018

Date of Last Revision:

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

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. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes, on skin or on clothing.

Conditions for Safe Storage

Store in the original, labelled, shipping container. Keep container tightly closed. Store in cool dry place. Keep out of reach of children.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Not available.

Appropriate Engineering Controls

General ventilation is usually adequate.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Wear Chemical protective gloves.

Respiratory Protection

Respirator not required, general ventilation is usually adequate.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear colorless. Particle Size: Not applicable
Odor	Sweet
pH	4.7
Melting Point/Freezing Point	Not available (melting); 0 °C (32 °F) (freezing)
Initial Boiling Point/Range	Not available
Flash Point	Not applicable
Evaporation Rate	Not available
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Relative Density (water = 1)	1.028
Solubility	completely in water
Viscosity	Not available (kinematic)
Other Information	
Physical State	Liquid
Molecular Formula	Not available
Molecular Weight	Not available

Product Identifier: URINE REMOVER - Ver. 1

Date of Preparation: March 20, 2018

Date of Last Revision:

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

None Known.

Incompatible Materials

Oxidizing agents (e.g. peroxides).

Hazardous Decomposition Products

Possible Nitrogen oxides (NOx) Hydrogen chloride gas, Carbon oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides		344 mg/kg (rat)	3340 mg/kg (rabbit) 24 h
Glycine, N,N'-1, 2-ethanediybis(N-(carboxymethyl)-, tetrasodium salt, tetrahydrate		> 1780-2000 mg/kg (rat)	> 5000 mg/kg (rabbit)
Citric acid		11700 mg/kg (rat)	> 2000 mg/kg (rat)
Alcohol Ethoxylate		> 2000 mg/kg (rat)	> 2000 mg/kg (rat)

Skin Corrosion/Irritation

Repeated or prolonged exposure can irritate or burn the skin.

Serious Eye Damage/Irritation

May cause serious eye damage based on information for closely related materials.

Aspiration Hazard

Not known to be an aspiration hazard.

Respiratory and/or Skin Sensitization

Not a respiratory sensitizer. Not a skin sensitizer.

Carcinogenicity

Not known to cause cancer.

Reproductive Toxicity

Development of Offspring

Does not cause harm.

Sexual Function and Fertility

Does not cause any effects.

Germ Cell Mutagenicity

Not known to be a mutagen.

Product Identifier: URINE REMOVER - Ver. 1

Date of Preparation: March 20, 2018

Date of Last Revision:

Page 04 of 06

SECTION 12. ECOLOGICAL INFORMATION

Persistence and Degradability

No data available on the product itself.

Bioaccumulative Potential

No information was located.

Mobility in Soil

If released into the environment, this product can move slowly through the soil.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

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

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL or are not required to be listed.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

SECTION 16. OTHER INFORMATION

SDS Prepared By Product safety manager

Phone No. 403-291-7050

Date of Preparation March 20, 2018

References CHEMINFO database. Canadian Center for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Center for Occupational Health and Safety (CCOHS). Raw ingredient SDS's.

Disclaimer All information appearing herein is based upon data obtained from raw material manufacturers and/or recognized technical sources. While the information herein is believed to be true and accurate, we make no representation as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible to make their own investigation into the suitability of the information to their particular purposes. User assumes all risks of their handling, disposal and publication or use of the product, or reliance upon information contained herein. This information applies only to the product designated within this document and does not relate to its use in combination with any other chemical product. READ THE LABEL before using this or any product, and take any necessary precautions, dictated by the label or by common sense to ensure that your health is protected.

Product Identifier: URINE REMOVER - Ver. 1

Date of Preparation: March 20, 2018

Date of Last Revision:

Product Identifier: URINE REMOVER - Ver. 1
Date of Preparation: March 20, 2018
Date of Last Revision:

Page 06 of 06