



Vestec 690 - Descaler

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Identification of Preparation: Vestec 690
Date of Safety Data Sheet: September 25, 2025
Use of Preparation: Descaler
Company Identification: Parkside Professional Products Ltd.
4777 Kent Avenue
Niagara Falls, Ontario L2H 1J5
OFFICE: 905-358-8364

Company Emergency Telephone Number Emergency Phone: 905-358-8364

Transportation Emergency Telephone Number CANUTEC 613-996-6666 or * 666 for cell phone

2. HAZARD IDENTIFICATION

Emergency Overview:

OSHA/ WHMIS 2014 Hazards:

Corrosive

Classification of substances or mixture

GHS-US/ Canadian classification:

Acute Toxicity 4 (Oral) H302

Acute Toxicity 4 (Dermal) H312

Skin Corrosion 2 H315

Eye Damage 1 H318

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS):



Signal Word (GHS): Danger!

Hazard Statements (GHS):

H302 - Harmful if swallowed

H318- Causes serious eye damage



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Precautionary Statements (GHS):

P260: Do not breathe mist, spray, and vapors.

P264: Wash hands, forearms, and exposed areas thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear face protection, protective clothing, protective gloves, and eye protection.

P301+P310+P312+ P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description: Chemical Blend

Ingredient	CAS#	% by Wt	Classification
Urea, monohydrochloride	506-89-8	5-15	Acute Toxicity Category 4 (Oral) - H302 Eye Damage Category 1- H318 STOT Information not currently available.
Water	7732-18-5		

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If symptoms persist consult physician.

Eye Contact: Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin Contact: Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse. Chemical burns must be treated by physician.

Ingestion: Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personal. Never give anything to an unconscious person. Immediately call a POISON CENTRE or doctor/physician.

Notes to Physician: Treatment based on judgment of attending physician.

Most Important symptoms and effects, both acute and delayed: Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling and blurred vision.



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5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Any standard extinguishing media (alcohol foam, water spray or fog, CO2 dry chemical, etc.).
Unsuitable extinguishing media:	None known.
Special exposure hazards:	None known.
Special safety equipment:	Self-contained positive pressure breathing apparatus and protective clothing.
Fire and explosion	Not flammable. No explosion hazard.
Further information	None

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapour or mist.

For Non-Emergency Personnel:

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel:

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Stop leak if safe to do so. Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up:

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.

Reference to Other Sections: See Heading 8. Exposure controls and personal protection.

7. HANDLING AND STORAGE

Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Avoid splashes or spray in enclosed areas.

Information about fire and explosion protection:

Keep respiratory protective device available.

No special measures required.

Conditions for safe storage, including any incompatibilities:

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Protect from humidity and water.



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Unsuitable material for receptacle: steel.
 Unsuitable material for receptacle: aluminium.
 Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility:

Do not store together with alkaline products.
 Store away from oxidizing agents.
 Store away from foodstuffs.

Further information about storage conditions:

Store in cool, dry conditions in well-sealed receptacles.
 Store receptacle in a well-ventilated area.
 Keep container tightly sealed.

Specific end use(s) No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate Engineering

Controls:

Engineering Measures	Showers. Eyewash Stations. Ventilation Systems.
Respiratory protection:	Use local exhaust or dilution ventilation.
Hand protection:	Chemical resistant gloves.
Eye protection:	Safety goggles or full-face shield.
Skin protection:	Use body-covering impervious clothing.
Working hygiene:	Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.
Exposure guidelines:	Contains no substances with occupational exposure limit values.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

<u>Property</u>	<u>Values</u>	<u>Odour Threshold</u>	<u>Remarks/Method</u>
Physical State	Liquid		
Appearance	Clear liquid.	Odour	No Odour
Colour	Clear	Odour Threshold	No data available.
pH	0.60-1.00		
Melting/Freezing Point	No data available		None known
Boiling Point/Range	No data available		None known
Flash Point	Not applicable.		None known
Evaporation Rate	Similar		None known



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Flammability (solid, gas)	Not flammable	None known
Flammability Limit in Air:		
Upper Limit	No data available	None known
Lower Limit	No data available	None known
Vapour Pressure	No data available	None known
Vapour density	No data available	None known
Specific Gravity	1.02-1.06 g/cm ³	
Water Solubility	Soluble in water.	None known
Solubility Other Solvents	No data available	None known
Partition Coefficient:		
n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition Temperature	No data available	None known
Kinematic Viscosity	No data available	None known
Dynamic Viscosity	No data available	None known
Explosive Properties	No data available	None known
Oxidizing Properties	No data available	None known

Other Properties:

Softening Point	No data available
VOC Content %	No data available
Particle Size	No data available
Particle Size Distribution	No data available

10. STABILITY AND REACTIVITY

Reactivity	Stable at normal ambient temperature and pressure.
Chemical stability	Stable up to 110 °C /230°F
Thermal decomposition/conditions to avoid:	Heating above 110 °C /230°F results in an exothermic decomposition with rapid release of CO ₂ gas Reacts with alkali, metals, amines and oxidizing agents. Corrodes aluminum.
Possibility of hazardous reactions	Warning! Do not use together with other products. May release dangerous gases (chlorine). Avoid contact with oxidizers.
Conditions to avoid	Store away from oxidizing agents. Warning! Do not use together with other products. May release dangerous gases (chlorine). Avoid contact with oxidizers. This material
Hazardous decomposition products	may be extremely hazardous in contact with chlorates or nitrates. This material is acidic. Contact with hypochlorites (e.g. chlorine bleach, sulfides, or cyanides will liberate toxic gases. Contact with alkaline materials (e.g. aqua ammonia) will generate heat.



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Materials to avoid Oxidizing agents, acids.
 Hazardous polymerization Will not occur

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification

Urea Hydrochloride CAS # 506-89-8:

LD50 (Oral, rat): 1,100 mg/kg

Primary irritant effect:

On the skin: Non corrosive to skin.

On the eye: Strong caustic effect.

Sensitization: No sensitizing effects known.

Additional toxicological information: The product shows the following dangers according to the calculation method:

Corrosive to eye.

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12. ECOLOGICAL INFORMATION

Toxicity: Not available.

Persistence and Degradability: Not available

Bio accumulative Potential: Not available

Mobility in Soil: Not available.

Other Adverse Effects

Other Information: Avoid release to the environment.

13. DISPOSAL

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Ecology – Waste Materials: Avoid release to the environment.



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14. TRANSPORTATION INFORMATION

Canadian T.D.G.: Regulated Material

Proper Shipping Name: Corrosive liquid, N.O.S.

Contains: Urea monohydrochloride

Hazard Class: 8

ID Number: UN 1760

Packing Group: III



U.S. Department of Transportation (DOT): Regulated Material

Proper Shipping Name: Corrosive liquid, N.O.S.

Contains: Urea monohydrochloride

Hazard Class: 8

ID Number: UN 1760

Packing Group: III



Water Transportation (IMDG): Regulated Material

Proper Shipping Name: Corrosive liquid, N.O.S.

Contains: Urea monohydrochloride

Hazard Class: 8

ID Number: UN 1760

Packing Group: III





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Air Transportation (IATA): Regulated Material

Proper Shipping Name: Corrosive liquid, N.O.S.

Contains: Urea monohydrochloride

Hazard Class: 8

ID Number: UN 1760

Packing Group: III



15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	-
PICCS	-
AICS	Complies

Legend:

TSCA - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

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

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances



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ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Urea monohydrochloride (CAS# 506-89-8)
 Listed on the United States TSCA (Toxic Substances Control Act) inventory

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does contain substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Hazardous substance.

CERCLA

Product status under the Comprehensive Environmental Response Compensation and Liability Act (CERLA) (40 CFR 302) – not listed.

U.S. State Regulations

California Prop. 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations:

This product contains no substances regulated by state right-to-know regulations.



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HMIS III Rating

Health: 3 Serious Hazard

Flammability: 0 Minimal Hazard

Physical: 0 Minimal Hazard

Personal Protection: C

SDS US (GHS HazCom 2012 and WHMIS 2015)

16. OTHER INFORMATION

Prepared By: Parkside Professional Products Ltd.
4777 Kent Avenue
Niagara Falls, Ontario
L2H 1J5
908-358-8364

Issuing Date: September 25, 2025

Disclaimer:

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However, we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet