PRAIRIE CONCRETE PRODUCTS

Safety Data Sheet

ULTRA WASH Concrete Remover

1. IDENTIFICATION

Product Identifier: ULTRA WASH Concrete Remover
Canadian TDG: UN1789
Synonyms: None
Chemical Family: Not known
Recommended Use: Industrial Descalant, Heavy Duty Truckwash
Restrictions on Use: None

Manufacturer / Supplier:
Prairie Concrete Products
3703 Kochar Ave
Saskatoon, SK
S7P 0B8

Prepared by: The Environmental, Health and Safety Department of Prairie Concrete Products
Preparation Date of SDS: May 23, 2019
Telephone number of preparer: 306-343-0770

24-Hour Emergency Telephone Number (CANUTEC): (613) 996-6666

2. HAZARDS IDENTIFICATION

GHS Classification
Acute toxicity (oral) – Category 4; Acute toxicity (inhalation) – Category 3; Skin irritation – Category 2; Eye irritation – Category 2A;

Signal Word: Danger

Hazard Statements(s):
Harmful if swallowed
Toxic if inhaled
Causes skin irritation
Causes serious eye irritation

Precautionary Statement(s):
General:
Keep out of reach of children.
Read label before use.
Prevention:
Wash hands thoroughly after handling.
Do not eat drink or smoke when using this product.
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
Use only outdoors or in a well-ventilated area.

Wear protective gloves/ protective clothing/ eye protection/ face protection.
Wash face, hands and any exposed skin thoroughly after handling.

Response:
IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
IF IN EYES: 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/attention.

Storage:
Store in a dry place.
Store in a well-ventilated place. Keep container tightly closed.

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

Other Hazards:
None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

Chemical Name	CAS No.	Concentration %
Derivatized Hydrogen Chloride	7647-01-0	30-50
Proprietary Component, Trade Secret	xxxxx-xx-x	5-8

Notes
If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First-aid Measures

General
Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

Inhalation
Move to fresh air. Keep at rest in a position comfortable for breathing. Call a Poison Centre or doctor immediately.

Skin Contact
Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. If skin irritation or a rash occurs, get medical advice/attention. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely.

Eye Contact
Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice/attention.

Ingestion
Immediately call a Poison Centre or doctor. Do not induce vomiting.

Most Important Symptoms and Effects, Acute and Delayed

Symptoms may include stinging. tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Immediate Medical Attention and Special Treatment

Special Instructions

Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, appropriate dry chemical powder or water spray.

Unsuitable Extinguishing Media

High volume water jet.

Specific Hazards Arising from the Chemical

Releases flammable hydrogen gas when reacting with metals.

Special Protective Equipment and Precautions for Fire-fighters

Evacuate area. Approach fire from upwind to avoid hazardous vapours or gases. Stop leak before attempting to put out the fire. Before entry, especially into confined areas, use an appropriate monitor to check for: toxic gases or vapours, flammable or explosive atmosphere. Dike and recover contaminated water for appropriate disposal. Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn. If there is potential for skin contact with concentrated cleaner: chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary. See Skin Protection in Section 8 (Exposure Controls/Personal Protection) for advice on suitable chemical protective materials.

NFPA RATINGS FOR THIS PRODUCT ARE: HEALTH 2, FLAMMABILITY 0, INSTABILITY 0
HMIS RATINGS FOR THIS PRODUCT ARE: HEALTH 2, FLAMMABILITY 0, REACTIVITY 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Concentrated product: evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Eliminate all ignition sources. Use grounded, explosion-proof equipment. Distant ignition and flashback are possible.

Increase ventilation to area or move leaking container to a well-ventilated and secure area. 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.

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up.

Before entry, especially into confined areas, check atmosphere with an appropriate monitor. Monitor area for flammable or explosive atmosphere.

Product (diluted as directed): use the personal protective equipment recommended in Section 8 of this safety data sheet. No other special precautions are necessary.

Environmental Precautions

Concentrated product: 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

Concentrated product: small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Do NOT use combustible materials such as sawdust. Place used absorbent into suitable, covered, labelled containers for disposal.

Concentrated product: large spills or leaks: cover the spill surface with the appropriate type of foam to reduce the release of vapour. Dike spilled product to prevent runoff. Remove or recover liquid using pumps or vacuum equipment. Dike and recover contaminated water for appropriate disposal. Store recovered product in suitable containers that are: tightly-covered. Call for assistance on disposal.

Other Information
Report spills to local health, safety and environmental authorities, as required.

7. HANDLING AND STORAGE

Precautions for Safe Handling
When handling diluted product: no special handling precautions are necessary.

When handling concentrated product: only use where there is adequate ventilation. Avoid generating vapours or mists. Keep containers tightly closed when not in use or empty. Wear personal protective equipment to avoid direct contact with this chemical.

Do NOT smoke in work areas. Wash hands thoroughly after handling this material. Immediately remove contaminated clothing using the method that minimizes exposure. Keep contaminated clothing under water, in closed containers. Launder clothes before rewearing. Inform laundry personnel of product hazard(s). Do not take contaminated clothing home.

Conditions for Safe Storage
Concentrated product: store in an area that is: temperature-controlled, well-ventilated, out of direct sunlight and separate from incompatible materials (see Section 10: Stability and Reactivity). Store in a closed container. Protect from conditions listed in Conditions to Avoid in Section 10 (Stability and Reactivity). Keep amount in storage to a minimum. Comply with all applicable health and safety regulations, fire and building codes.

Materials to Avoid
Oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Occupational exposure limits
Not determined

Biological limit values
No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls
General ventilation is usually adequate. Provide eyewash and safety shower if contact or splash hazard exists.
When handling large quantities of concentrated product: use a local exhaust ventilation and enclosure, if necessary, to control amount in the air. Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored.

Individual Protection Measures

Eye/Face Protection
Do not get in eyes. Wear chemical eye protection/ face protection.

Skin Protection
Prevent all skin contact. Wear chemical protective clothing e.g. gloves, aprons, boots.
Suitable materials are: Barrier® (PE/PA/PE), Silver Shield/4H® (PE/EVAL/PE), Tychem® Responder, Tychem® TK.
The following materials should NOT be used: neoprene rubber, nitrile rubber, polyvinyl alcohol.

Respiratory Protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator.
Concentrated product: wear a NIOSH approved air-purifying respirator with an organic vapour cartridge.
For non-routine or emergency situations: wear a NIOSH approved air-purifying respirator with an organic vapour Cartridge, or, wear a NIOSH approved self-contained breathing apparatus (SCBA) or supplied air respirator.
Other Personal Protection Data: Ensure that eyewash stations and safety showers are proximal to the work-station location.

9. CHEMICAL AND PHYSICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Pale amber liquid
Odour	Slight pungent
Odour Threshold	Not available
pH	< 1.0 in aqueous solution
Melting Point/Freezing Point	< -30 °C / -22°F
Initial Boiling Point/Range	>100°C / >212°F
Flash Point	None
Evaporation Rate	< 1
Flammability (solid, gas)	Not applicable (liquid).
Upper/Lower Flammability or	Not applicable (upper); Not applicable (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	> 1
Relative Density (specific gravity)	Not available
Solubility	Completely soluble
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not available
Viscosity	Not available
Physical State:	Liquid

10. STABILITY AND REACTIVITY

Reactivity
Not reactive. Not sensitive to mechanical impact.

Chemical Stability
Normally stable.

Possibility of Hazardous Reactions
Will not occur. Reaction with some incompatible materials (such as aldehydes, epoxides) can cause polymerization.

Conditions to Avoid
Excessive Heat.

Incompatible Materials
Sulphites. Carbonates. Sulphides. Cyanides. Amines. Metals. Metal oxides. Hydroxides. Formaldehyde. Strong bases. Alkalis. Carbon steel. Aluminum. Copper.

Hazardous Decomposition Products
When heated to decomposition, emits toxic hydrogen chloride fumes and will react with water or steam to produce heat and toxic and corrosive fumes. Thermal oxidative decomposition produces toxic chlorine fumes and explosive hydrogen gas.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure
Inhalation; skin contact; eye contact; ingestion.

Acute Toxicity

Acute oral toxicity	Not available
Acute dermal toxicity	Not available
Acute inhalation toxicity	Not available

Skin Corrosion / Irritation
Corrosive. Contact with liquid can cause severe irritation, burns, and permanent scarring. Vapor or mist may cause redness, irritation and burns if contact is prolonged.

Serious Eye Damage / Irritation
Corrosive. Vapors are moderately irritating to the eyes. Concentrated vapor, mist or splashed liquid can cause severe irritation, burns and permanent blindness.

Inhalation
Respiratory tract irritation, coughing.

Ingestion
Stomach irritation, stomach pains

Respiratory or Skin Sensitisation
Not classified

Germ Cell Mutagenicity
Not classified
Carcinogenicity
Not classified

Reproductive Toxicity
Not classified

Specific Target Organ Toxicity (Single Exposure)
Not classified

Specific Target Organ Toxicity (Repeated Exposure)
Not classified

Aspiration Hazard
Not classified

Additional Information:
Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product. Repeated and prolonged exposure to low concentrations of mist or vapor can cause discoloration and damage to tooth enamel, bleeding of the nose and gums, and chronic bronchitis and gastritis. Repeated exposure to low concentrations of liquid, mist or vapor can cause redness, swelling and pain (dermatitis).

12. ECOLOGICAL INFORMATION

Ecotoxicological Information:
This material is not expected to be harmful to aquatic life.

13. DISPOSAL CONSIDERATIONS

Disposal Methods
Recommended disposal methods are for the product, as sold. (Used material may contain other hazardous contaminants). The required hazard evaluation of the waste and compliance with the applicable hazardous waste laws are the responsibility of the user.

Burn in an approved incinerator according to federal, provincial/state, and local regulations.
Empty containers retain product residue. Follow label warnings even if container appears to be empty. The container for this product can present explosion or fire hazards, even when emptied. Do not cut, puncture, or weld on or near this container.

14. TRANSPORT INFORMATION

DOT (U.S.):
DOT Shipping Name: HYDROGEN CHLORIDE
DOT Hazardous Class 8
DOT UN Number: UN1789
DOT Packing Group: II
DOT Reportable Quantity (lbs): Not Available.
Note: No additional remark.
Marine Pollutant: No.

TDG (Canada):
TDG Shipping Name: HYDROGEN CHLORIDE
Hazard Class: 8
UN Number: UN1789
Packing Group: II
Note: No additional remark.
Marine Pollutant: No

Special Precautions for User
Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

15. REGULATORY INFORMATION

Canada

WHMIS Classification
D2A, E

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and

the SDS contains all of the information required by the Controlled Products Regulations.

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)
All components of this product are either on the Domestic Substances List (DSL), the Non-Domestic Substances List (NDSL) or exempt.
Note: Not available.

CEPA - National Pollutant Release Inventory (NPRI)

16. OTHER INFORMATION

Additional Information: This product has been classified in accordance with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS) and the SDS contains all the information required by the Hazardous Products Regulations (HPR).

Prepared by: The Environmental, Health and Safety Department of Prairie Concrete Products

Telephone No. of Preparer: 306-343-0770

Date of Latest Revision: May 23, 2019

Key to Abbreviations: IARC = International Agency for Research on Cancer. Group 3 = Not classifiable as to its carcinogenicity to humans. ACGIH® = American Conference of Governmental Industrial Hygienists. A4 = Not classifiable as a human carcinogen. NTP = National Toxicology Program. OSHA = US Occupational Safety and Health Administration. ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. TWA = Time-Weighted Average. STEL = Short-term Exposure Limit. A4 = Not classifiable as a human carcinogen. OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. IDLH = Immediately Dangerous to Life and Health.

Disclaimer: NOTICE TO READER:
Prairie Concrete Products expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages.

Do not use ingredient information and/or ingredient percentages in this SDS as a product specification. For product specification information refer to a Product Specification Sheet and/or a Certificate of Analysis. These can be obtained from your local Prairie Concrete Products Sales Office.

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Prairie Concrete Products makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Prairie Concrete Products control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.

*****END OF SDS*****