



## SAFETY DATA SHEET CONCRETE REMOVER

### SECTION 1: IDENTIFICATION

---

Product Name:	Concrete Remover
Product Code:	K40
Product Use:	Concrete Remover
Manufacturer's Name:	E-ZOIL Products, Inc.
Address:	234 Fillmore Avenue
Address:	Tonawanda, NY 14150 USA
Business Phone:	855-693-9645
Emergency Phone:	800-535-5053
Date of Preparation:	October 1, 2019
Date of Last Revision:	June 1, 2020
Regulatory Standard:	29 CFR 1910.1200
Restrictions on Use:	Do not use with chlorates, nitrates, hypochlorites or alkaline materials

### SECTION 2: HAZARDS IDENTIFICATION

---

GHS-US classification: Hazardous  
Corrosive to Metals – Category 1  
Serious Eye Damage/Irritation – Category 1  
Acute Toxicity – Category 4

Hazard pictograms (GHS-US):



Signal word (GHS-US): Danger

Hazard statements (GHS-US): May be corrosive to metals. Causes serious eye damage. Harmful if swallowed.

Precautionary statements – Prevention (GHS-US): Keep in original container. Wear eye or face protection. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

Precautionary statements – Response (GHS-US): Absorb spillage to prevent material damage. If swallowed: call a Poison Control Center or a doctor if you feel unwell. Rinse mouth. If in eyes: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a Poison Control Center or doctor.

Precautionary statements – Storage (GHS-US): Store in corrosive-resistant containers such as fiberglass, polyethylene, polypropylene or containers with a resistant liner.

Precautionary statements – Disposal (GHS-US): Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not otherwise classified: None know.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

---

Name	CAS Number	%
Urea Monohydrochloride	506-89-8	25-50

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

## SECTION 4: FIRST AID MEASURES

---

First-aid measures after inhalation:	If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact:	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get immediate medical advice/attention.
First-aid measures after eye contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
First-aid measures after ingestion:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth. Get immediate medical advice/attention.

### Most important symptoms and effects, both acute and delayed:

See Section 11.

## SECTION 5: FIRE FIGHTING MEASURES

---

Suitable extinguishing media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media:	None known.
Fire hazard:	At temperatures above 60 degrees C / 140 degrees F acid action on most metals may release hydrogen, a highly flammable and explosive gas. Decomposition products may include the following materials: <ul style="list-style-type: none"><li>• Carbon Dioxide</li><li>• Carbon Monoxide</li><li>• Nitrogen Oxides</li><li>• Hydrochloric Acid</li></ul>
Protection during firefighting:	Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Use water spray to keep fire-exposed containers cool.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

---

For non-emergency personnel:	No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate Personal Protective Equipment (PPE).
For emergency responders:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in 'for non-emergency personnel'.
Environmental Precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods for cleaning up:	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material (e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

See section 1 for emergency contact information and Section 13 for waste disposal).

## **SECTION 7: HANDLING AND STORAGE**

---

Precautions for safe handling:	Wear appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material. Keep tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Hygiene measures:	Eating, drinking, or smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking, or smoking. See also Section 8 for additional information on hygiene measures.
Storage conditions:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
Storage temperature:	39 - 120 °F

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

---

Appropriate engineering controls:	Good general ventilation should be enough to control worker exposure to airborne contaminants.
-----------------------------------	--

Hand protection:	Wear chemically resistant protective gloves. Considering the parameters specified by the glove manufacturer check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different of different glove manufacturers. In the case of mixtures consisting of several substance, the protection time of the gloves cannot be accurately estimated.
Eye protection:	Wear approved eye protection (properly fitted dust- or splash-proof chemical safety goggles) / face (face shield) protection.
Skin and body protection:	Wear suitable protective clothing, including appropriate boots, boot covers, overshoes, etc., as may be appropriate.
Respiratory protection:	Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls:	Maintain levels below community environmental protection thresholds.
Other information:	Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

---

Physical state:	Liquid
Appearance:	Clear
Color:	Yellow
Odor:	No data available
Odor threshold:	No data available
pH:	0.7 typical [as is]
Melting/Freezing point:	<-30 degrees C
Boiling point/Range:	100 degrees C (>200 degrees F)
Flash point:	>93.3 degrees C (>200 degrees F)
Relative evaporation rate:	>1 (Butyl acetate = 1)
Flammability (solid, gas):	No data available
Explosive limits:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available
Vapor pressure:	<0.013kPa (<0.1mmHg) [room temperature]
Relative density:	1.21 +/- 0.2
Relative vapor density at 20 °C:	No data available
Solubility:	Easily soluble in the following materials: water
Partition coefficient: n-octanol/water:	No data available
Log Kow:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available

## SECTION 10: STABILITY AND REACTIVITY

---

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical Stability: Stable under normal storage conditions.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: None known based on information supplied.

Incompatible materials: Reactive or incompatible with the following materials: oxidizing materials. This material may be extremely hazardous in contact with chlorates and nitrates. Contact with hypochlorites (e.g. chlorine bleach, sulfides or cyanides) will liberate toxic gas. Contact with alkaline materials (e.g. aqua ammonia) will generate heat.

Hazardous decomposition products: None known based on information supplied.

## SECTION 11: TOXICOLOGICAL INFORMATION

---

Acute toxicity: Harmful if swallowed.

Chemical Name	Result	Species	Dose
BJSI	LD50 Oral	Rat	1120.9 mg/kg

Skin corrosion/irritation: Mild skin irritant (OECD 404)

Serious eye damage/irritation: Eye corrosive (OECD 405).

Respiratory or skin sensitization: There is no data available.

Germ cell mutagenicity: There is no data available.

Carcinogenicity: There is no data available.

Reproductive toxicity: Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure): There is no data available.

Specific target organ toxicity (repeated exposure): There is no data available.

Aspiration hazard: There is no data available.

Symptoms/injuries after inhalation: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Symptoms/injuries after skin contact: May cause skin irritation.

Symptoms/injuries after eye contact: Causes serious eye damage.

Symptoms/injuries after ingestion: No known significance effects or critical hazards.

## SECTION 12: ECOLOGICAL INFORMATION

---

Ecology - general: May cause long-term adverse effects in the aquatic environment.

Persistence and degradability: There is no data available.

Chemical Name	Result	Species	Exposure
BJSI	Acute LC50 71 mg/L	Ceriodaphnia dubia	48 hours

Bio accumulative potential: There is no data available

Mobility in soil: No additional information available

Other adverse effects: Effect on the global warming – No known ecological damage caused by this product.

## SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal recommendations: This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

## SECTION 14: TRANSPORT INFORMATION

	DOT	TDG	IMDG	IATA
UN Number	Not regulated	1760	1760	1760
UN Proper Shipping Name	-	Corrosive liquid NOS (urea monohydrochloride)	Corrosive liquid NOS (urea monohydrochloride)	Corrosive liquid NOS (urea monohydrochloride)
Transport Hazard Classes	-	8	8	8
Packing Group	III	III	III	III
Environmental Hazards	No	No	No	No
Additional Information	Exempt under DOT 49 CFR 173.154 (d). This material is corrosive to aluminum only. Not corrosive to mild steel and skin.	This material is corrosive to aluminum only. Not corrosive to mild steel and skin.	This material is corrosive to aluminum only. Not corrosive to mild steel and skin.	This material is corrosive to aluminum only. Not corrosive to mild steel and skin.

## SECTION 15: REGULATORY INFORMATION

Federal regulations: United States Inventory (TSCA): All components are listed or exempted

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPS): Not Listed

Clean Air Act Section 602 Class I Substances: Not Listed

Clean Air Act Section 602 Class II Substances: Not Listed

DEA List I Chemicals (Precursor Chemicals): Not Listed

DEA List II Chemicals (Essential Chemicals): Not Listed

SARA 302/304 Composition Information on Ingredients: Not listed

SARA 311/312 Classification: Immediate (acute) health hazard

Chemical Name	%	Fire Hazard	Sudden Release of Pressure	Reactive	Immediate (acute) Health Hazard	Immediate (delayed) Health Hazard
Urea Monohydrochloride	50-100	No	No	No	Yes	Yes

## SECTION 16: OTHER INFORMATION

Other information: None.

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.