



## S A F E T Y   D A T A   S H E E T

# Crete Urinal Descaler

Preparation Date: Feb 26, 2025

### 1. Identification of substance and of the company

Supplier identifier ..... BRODI SPECIALTY PRODUCTS LTD.  
3175 14th Avenue, Unit 1  
Markham, Ontario, Canada, L3R 0H1  
1-877-744-0751

Product identifier ..... Crete

Emergency telephone number ..... (905) 857-1234

Transportation Emergency Telephone Number(s): ..... CANUTEC 613-996-6666 or \*666 for cell phone

### 2. Hazard Identification

#### GHS Hazards

Corrosive to Metals ..... Category 1 H290

Skin corrosion/irritation ..... Category 1A H314

Acute toxicity, inhalation ..... Category 4 H332

Hazard Pictograms .....



#### GHS Label Elements, Including Precautionary Statement

Signal Word ..... DANGER

Hazard Statements: ..... May be corrosive to metals, Causes severe skin burns and eye damage. Harmful if inhaled.

Precautionary Statements ..... Keep only in original container. Do not breathe fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response ..... IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 CENTER or doctor/physician. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

Storage ..... Store in a closed container. Store locked up.

Disposal ..... Dispose of contents/container according to local, provincial and federal regulations.

### 3. Composition / information on ingredients

Chemical Description .....	Chemical Blend
Ingredient Name .....	Hydrochloric Acid
Cas# .....	7647-01-0
Classification .....	Corrosive to Metals Category 1 H290
Skin corrosion/irritation .....	Category 1A H314
Serious eye damage/eye irritation .....	Category 1 H318
Acute toxicity, inhalation .....	Category 4 H332
STOT, single exposure; Respiratory tract irritation .....	Category 3 H335
% by Wt .....	15-40

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

### 4. First aid measures

Inhalation .....	Remove victim to fresh air. If symptoms persist, call a physician
Eye Contact .....	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Consult a doctor immediately.
Skin Contact .....	Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse. If irritation persists, seek medical attention
Ingestion .....	Immediately call physician. DO NOT induce vomiting. Give several glasses of water. Never give anything by mouth if victim is unconscious or convulsing.
Most Important Symptoms and Effect .....	Severe burns to eyes, skin and respiratory tract.
Notes to Physician .....	Treatment based on judgment of attending physician.

### 5. Firefighting measures

Suitable extinguishing media .....	Use dry chemical, CO2, water spray (fog) or foam.
Unsuitable extinguishing media .....	Not known
Special exposure hazards .....	This product causes burns of eyes, skin and mucous membranes. Thermal decomposition may lead to release of irritating and toxic vapors. In the event of fire and/or explosion do not breathe fumes.
Special safety equipment .....	Self contained breathing apparatus and full protective clothing required for extinguishing fire.
Fire and explosion .....	None
Further information .....	None

### 6. Accidental release measures

#### Personal Precautions, Protective Equipment and Emergency Procedures

General Measures .....	Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use
------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in Sections 7 and 8

#### For Non-Emergency Personnel

Protective Equipment.....Wear adequate personal protective equipment  
Emergency Procedures.....Wear adequate personal protective equipment

#### For Emergency Personnel

Protective Equipment.....Wear adequate personal protective equipment  
Emergency Procedures.....Wear adequate personal protective equipment  
Environmental Precautions .....Prevent release to the environment if possible. Dike large spills to prevent material from entering streams or sewer systems.

#### Methods and Material for Containment and Cleaning Up

For Containment .....Soak up inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal  
Methods for Cleaning Up .....Contain spillage and then collect with noncombustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations. Flush away traces with water. For large spills, dike spilled material or otherwise, contain material to ensure runoff does not reach a waterway.  
Reference to Other Sections .....None

### 7. Handling and storage

Precautions for safe handling.....Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Avoid splashes or spray in enclosed areas. Ensure good ventilation/exhaustion at the workplace.  
Information about fire and explosion protection .....none  
Requirements to be met by storerooms and receptacles.....Keep container closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from Incompatible materials such as alkalis, reducing and oxidizing agents, bleach and ammonia. Do not mix with any other chemicals.  
Information about storage in one common storage facility.....Unknown  
Further information about storage conditions.....None  
Specific end use .....Not applicable

### 8. Exposure controls / personal protection

Respiratory protection .....Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limit are exceeded or if irritation or other symptoms are experienced.  
Hand protection.....Wear coveralls with long sleeves, gauntlets and gloves of PVC or neoprene.  
Eye protection .....Use chemical goggles and/or a full-face shield.  
Skin protection .....Wear protective clothing, including boots or safety shoes with polyvinyl chloride (PVC) or neoprene. Wear coveralls with long sleeves, gauntlets and gloves of

	PVC or neoprene.
Working hygiene .....	Handle in accordance with good industrial hygiene and safety practices.
Exposure Guidelines .....	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

## 9. Physical and chemical properties

### Hydrochloric Acid

TWA ppm .....	No data available
TWA mg_m3 .....	No data available
STEL ppm .....	ACGIH TLV: 2 ppm
STEL mg_m3 .....	No data available
Physical State .....	Liquid
Appearance .....	Clear, orange red foamy liquid
Molecular Weight .....	No Data Available
Odour .....	Pungent Odour
Odour Threshold .....	No Data Available
pH.....	<1
Melting Point/Freezing Point .....	No Data Available
Boiling Point .....	>=212 F
Flash Point .....	No Data Available
Evaporation Rate (BuAc=1) .....	No Data Available
Flammable Limits in Air .....	No Data Available
Upper Flammability Limit.....	No Data Available
Lower Flammability Limit.....	No Data Available
Vapour Density (Air=1).....	>1
Vapour Pressure .....	No Data Available
Specific Gravity/Relative Density .....	1.10-1.13
Solubility in Water .....	Complete
Log Pow (calculated).....	No Data Available
Autoignition Temperature .....	No Data Available
Decomposition Temperature .....	No Data Available
Viscosity .....	As Water
Solubility in other Solvents .....	No Data Available
Partition Coefficient .....	No Data Available
n-octanol / Water .....	No Data Available
Kinematic Viscosity .....	No Data Available
Dynamic Viscosity .....	No Data Available
Explosive Properties .....	No Data Available
Percent Volatile by Volume .....	No Data Available

## 10. Stability and reactivity

Reactivity.....	Normally stable.
Chemical stability .....	Stable under recommended storage conditions
Thermal decomposition conditions to avoid .....	Not known
Possibility of hazardous reactions .....	Will not occur
Conditions to avoid.....	Unintentional contact with water and moisture. Keep containers tightly closed, when not in use.
Hazardous decomposition products.....	CO or CO2. Toxic chlorine fumes
Materials to avoid .....	Strong oxidizers, Ammonia, Chlorine, strong alkali materials, Aluminum.
Hazardous polymerization.....	None

## 11. Toxicological information

### Information on likely routes of exposure

Inhalation.....	May cause irritation to the respiratory system. Prolonged inhalation maybe harmful.
Ingestion.....	May cause irritation of the gastrointestinal tract, nausea, vomiting and headaches.
Eye Contact.....	Corrosive. Strong caustic effect.
Skin Contact.....	Corrosive: Strong caustic effect on skin and mucous membranes.

### Symptoms related to the physical, chemical and toxicological characteristics

No data available

### Information on toxicological effects

Acute toxicity .....	Hydrochloric Acid LD50 (oral) 700 mg/kg Rat LD50 (dermal) 5010 mg/kg Rabbit LC50 (inhalation) 3124 ppm (1-hour Rat)
----------------------	------------------------------------------------------------------------------------------------------------------------------

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization.....	No data available
Mutagenic Effects.....	No data available
Carcinogenicity.....	None of the ingredients are listed by IARC, ACGIH, NTP and OSHA as carcinogen
Reproductive Toxicity.....	No data available
STOT single exposure .....	No data available
STOT repeated exposure.....	Not known
Chronic Toxicity.....	May damage organs
Aspiration hazard .....	No data available

### Carcinogenicity

Ingredient Name.....	Hydrochloric Acid
CAS#.....	7647-01-0
IARC.....	3 Not classifiable as to carcinogenicity to humans
NTP .....	Not listed
OSHA .....	Not listed

## 12. Ecological information

Toxicity .....	This material is expected to be toxic to aquatic life. /
----------------	----------------------------------------------------------

	LC50 862 mg/L (Orfe, golden (Leuciscus Idus))
Persistence and Degradability .....	When released into the soil, this material is not expected to be biodegradable
Bio accumulative Potential .....	No Data Available
Mobility in Soil .....	No Data Available
Other Information .....	No Data Available
Aquatic Toxicity .....	No Data Available
Toxicity to algae, fish, invertebrates .....	No Data Available
Biodegradation .....	No Data Available

### 13. Disposal

Waste Disposal Recommendations .....	Follow local, provincial, state and federal regulations.
Ecology – Waste Materials .....	No data available
Empty Containers .....	Triple rinse and dispose according to provincial, state and federal regulations

### 14. Transportation information

Department .....	Canadian TDG (Road & Rail)
Proper Shipping Name .....	Corrosive Liquid , Acidic, Inorganic, N.O. S.
Contains .....	Hydrochloric Acid Solution
Hazard Class .....	8
UN# .....	1789
Packaging Group .....	II

Please note: This shipping description is of a general nature only. It does not consider package sizes, modes of transport and other specific circumstances. Appropriate regulations should be referenced, and handling for transportation of dangerous goods/hazardous materials should be performed by trained personnel only.

### 15. Regulation

OSHA/WHMIS 2015 Classification .....	Corrosive to Metals. Corrosive to Eyes and Skin
California PROP 65 .....	No ingredients listed
Cdn Domestic Substance List (DSL) .....	All ingredients listed

#### HMIS III Rating

Health .....	3
Flammability .....	0
Physical .....	1
Personal Protection .....	H

### 16. Other Information

Prepared by .....	BRODI SPECIALTY PRODUCTS LTD. 3175 14th Avenue, Unit 1 Markham, Ontario, Canada, L3R 0H1 1-877-744-0751
Date .....	Feb 26, 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**