

# Safety Data Sheet

## 1. Product Identification

Product Name: Thrift Calci Buster  
General Use: Scale and deposit cleaner  
Manufactured by: Thrift Marketing, Inc.  
P.O. Box 2529  
Shawnee Mission, KS 66201  
Phone: (913) 236-7474  
INFOTRAC: (800) 535-5350

Revision date: June 17, 2015

## 2. Hazards Identification

Emergency Overview (OSHA Hazards): DANGER! Toxic if swallowed. WARNING! Possibly causes skin irritation. May cause serious eye irritation. May cause respiratory irritation. Corrosive to metal.

Hazard Classification (categories in parentheses): Acute toxicity - oral (3). May cause skin irritation (2). Can cause serious eye irritation (2A). Respiratory tract irritant (3). Corrosive to metal (1).

### HMIS Rating:

Health 2  
Flammability 0  
Reactivity 0



DANGER!



WARNING!



Personal protection ration to be supplied by user depending on use conditions.

### Hazard Statements:

H290 May be corrosive to metals  
H301 Toxic if swallowed  
H316 May cause mild skin irritation  
H319 Causes serious eye irritation  
H335 May cause respiratory irritation

### Precautionary Statements:

P262 Do not get in eyes, on skin, or on clothing  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P301 + P310 + P330 + P331 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.  
P302 + P352 + P362 + P333 + P313 IF ON SKIN: Wash with soap and water. Take off contaminated clothing and wash before reuse If skin irritation or a rash occurs: Get medical advice/attention.  
P304 + P341 + P342 + P322 + P313 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

If experiencing respiratory symptoms: Administer oxygen and get medical advice/attention.  
P305 + P351 + P338 + P313 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical advice/attention.

NOTE—Information provided in this SDS represents characteristics and physical data of the concentrated material as supplied.

### 3. Composition

Chemical Family: Urea hydrochloride

<u>Ingredient</u>	<u>Wt %</u>	<u>CAS Number</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>NIOSH REL</u>	<u>NIOSH IDLH</u>
Urea hydrochloride	> 80	506-89-8	N/E	N/E	N/E	N/E

### 4. First Aid

Most important symptoms/effects: Toxic if swallowed. Possibly causes skin irritation. May cause serious eye irritation. May cause respiratory irritation.

Inhalation: Immediately remove individual to fresh air. If not breathing, give artificial respiration. Get medical advice/attention if symptoms develop or persist.

Skin Contact: Remove contaminated clothing and foot wear. Wash thoroughly with soap and water and do not reuse clothing until properly cleaned. If a rash should develop, get medical attention.

Eye Contact: Immediately flush eyes with plenty of cool, clean water for at least 20 minutes. Keep eyelids apart to maintain maximum contact with water. Do not allow the individual to rub their eyes. Get medical attention/attention.

Ingestion: Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. If individual is conscious and able to swallow, quickly have the victim drink water to dilute. Do not give anything by mouth if individual is unconscious or is having convulsions. Seek medical attention immediately.

### 5. Fire and Explosion Data

Flash Point: > 212 Fahrenheit – Tag Closed Cup

Extinguishing Media: Water spray, dry chemical or carbon dioxide. Use water spray to keep containers cool. Do not flush into a storm drain or public sewer.

Special Procedures: Use self-contained breathing apparatus (SCBA) and proper personal protection clothing.

Unusual Hazards: At temperatures above 140<sup>o</sup> F, low pH of product can react with metals to release hydrogen gas. During a fire, vapors can be released that might contain sulfuric acid or oxides of carbon and nitrogen, and firefighters should attack and contain fire and any fumes accordingly.

### 6. Accidental Release Procedures

Personal precautions, protective equipment, and emergency procedures: Clear area of non-essential personnel. Use proper personal protective equipment (PPE).

Methods and materials for containment and cleaning up: Contain spill or leak and soak up as much material as possible. Put collected material into suitable containers for disposal. Close or cap valves and/or block or plug hole in leaking container and transfer

to another container. Use appropriate containment to avoid runoff or release to sewer or waterways.

Recovered solids or liquids may be sent to a licensed reclaimer or disposed of in a permitted waste management facility. Consult Federal, state or local disposal authorities for approved procedures. Any disposal must be in compliance with Federal, state, or local regulations.

## **7. Handling and Storage**

Precautions for safe handling: Eye wash and safety showers are recommended in the immediate work area. Check with your State OSHA to determine the maximum distance for stations to be placed in regards to possible chemical exposure.

Conditions for safe storage, including any incompatibilities: The material is safe to store in well-ventilated areas at ambient temperatures of between 35 and 120 degrees F. Keep containers closed when not in use to prevent evaporative losses and possible contamination. Do not store concentrated product in any type of metal container. Protect from freezing.

## **8. Employee Protection and Control Measures**

*NOTE—No exposure standard exists for the formulated product.*

Appropriate engineering controls: Normal ventilation has been found to be generally adequate. The end user must determine if the process or methods involved with the use of this material requires any additional ventilation.

Individual protection measures, such as personal protective equipment:

*Eye Protection:* Safety glasses with side shields or splash proof chemical goggles should be used when working with concentrated product. If product is being sprayed or splashing is possible, splash proof chemical goggles or a splash shield in accordance with 29 CFR 1910.133 is recommended. Appropriate eye protection must be worn instead of, or in conjunction with, contact lenses.

*Skin Protection:* As is a good practice with all materials, chemical resistant gloves, including rubber, butyl, or neoprene, should be worn when working with the product to avoid skin contact. Rubber apron, sleeves, and boots or other acid-resistant protective clothing are recommended for personnel involved in handling and transferring concentrated chemical.

*Respiratory Protection:* Not normally required. In situations where a risk of substantial inhalation occurs, such as where product is being misted, a respirator or air delivery system in accordance with 29 CFR 1910.134 (OSHA), 42 CFR 84 (NIOSH), and any other applicable regulations may be recommended.

*Other:* Not generally required under normal working conditions. The end user must determine if the process or methods involved required other personal protection clothing and/or equipment.

*Work/Hygienic Practices:* Do not consume food, drink, or smoke in areas where chemicals are being stored or handled. After working with chemicals wash hands thoroughly before handling food or beverages. Segregate and launder contaminated clothing before reuse.

## **9. Physical and Chemical Properties**

Appearance: Colorless to pale yellow liquid

Odor: Mild  
Odor threshold: Minimal  
pH: < 1.0  
Melting point/freezing point: Not tested  
Initial boiling point and range: > 212 F\_  
Flash Point: > 212 Fahrenheit – Tag Closed Cup  
Evaporation Rate: Less than water  
Flammability (solid, gas): Not applicable  
Upper/lower flammability or explosive limits: Not applicable  
Vapor pressure: Not tested  
Vapor Density: Heavier than air  
Relative density: Specific Gravity (H<sub>2</sub>O = 1): 1.205 typical  
Solubility (water): Soluble  
Partition coefficient: n-octanol/water: Not tested  
Auto-ignition temperature: Not applicable  
Decomposition temperature: Not applicable  
Viscosity: Not tested  
Stability: Stable  
Percent Volatiles: Not tested

## **10. Stability and Reactivity**

Reactivity: Product is stable as delivered  
Chemical Stability: Stable  
Possibility of hazardous reactions: None known.  
Conditions to avoid (e.g., static discharge, shock, or vibration): Do not store or transfer neat product in metals, such as aluminum, yellow metals such as copper or brass, stainless steel, or other steel alloys. Avoid temperatures above 230° F.  
Incompatible materials: Avoid contact with strong bases and oxidizers. Contact with hypochlorites, chlorine bleach, sulfides, or cyanides can liberate toxic gases.  
Hazardous decomposition products: Oxides of carbon and nitrogen.  
Polymerization: Will not occur.

## **11. Toxicological Information**

Acute Toxicity Data: Ingestion of large quantities may be harmful or even fatal.  
Irritant Data: Possible skin and respiratory irritant; severe eye irritant.  
Primary Routes of Exposure (Acute):  
Eye and Skin Exposure: May cause mild but reversible skin irritation with prolonged or repeated exposure to concentrated product. Concentrated product can cause severe irritation to eyes.  
Inhalation: No long-term effects are expected, but excessive breathing of vapors may cause discomfort, dizziness, or mild irritation.  
Ingestion: Ingestion of small quantities may cause gastric distress, vomiting, and diarrhea. Ingestion of large quantities may be harmful or even fatal.

### Primary Routes of Exposure (Chronic):

The effects from chronic exposure to this product have not been fully evaluated, but none have been observed.

Carcinogenicity: None of the components present in this material are listed on the IARC, NTP, or OSHA carcinogen lists.

Safety Precautions: As with all chemicals, avoid contact with eyes, skin, and clothing; wash thoroughly after handling, especially before eating, drinking, or smoking.

## **12. Ecological Information**

Contact your representative for assistance.

## **13. Disposal Considerations**

Waste Disposal: All disposals of this material must be done in accordance with Federal, state and local regulations. Waste characterization and compliance with disposal regulations are the responsibilities of the waste generator.

## **14. Transportation Information**

DOT Proper Shipping Name: UN1760, Corrosive liquid, N.O.S. (urea hydrochloride), 8, PG III

## **15. Regulatory Information**

EPCRA, Section 311: Health: Immediate Health (possible skin and respiratory irritant, severe eye irritant. Potential ingestion toxin).

Toxic Substances Control Act (TSCA) Status: All ingredients in this product appear on either the public TSCA inventory or the confidential TSCA inventory.

## **16. Other Information**

Last Revision: June 04, 2014

Current Revision: June 17, 2015

Revision summary: Format changes to Sections 4, 6, 7, 8, 9, and 10

Prepared By: Chemical Specialties, LLC

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End of SDS