

1. CHEMICAL NAME AND COMPANY IDENTIFICATION

Formulated/Manufactured By: Tower Products, Inc.
2703 Freemansburg Avenue
Easton, PA 18045

Information Telephone Number: 1-800-527-8626 or 610-253-6206

For Chemical Spill Emergency Call: CHEMTREC: 1-800-424-9300

Product Name: CALCIUM CUTTER (Calcium Inhibitor Additive)

CAS Number: Mixture - Not Established

2. HAZARD(S) IDENTIFICATION**GHS Classification**

Eye Irritation (Category 1)
Skin Irritation (Category 2)

GHS label elements, including hazard and precautionary statements

Pictogram(s)



Signal Word

DANGER!

Hazard statement(s)

H318: CAUSES SERIOUS EYE DAMAGE.
H315: CAUSES SKIN IRRITATION.

Precautionary statement(s)

Prevention:

P280: WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
P264: WASH SKIN THOROUGHLY AFTER HANDLING.

Response:

P302+P352: IF ON SKIN: WASH WITH PLENTY OF WATER.
P305+P351+P338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.
P403+P233: STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED.

Disposal:

P501: DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL REGULATIONS.

HMIS Classification

Health Hazard: 1

Flammability: 0

Physical Hazard: 0

Personal Protection: B

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component(s)</u>	<u>CAS Number</u>	<u>*Concentration (weight)</u>
Proprietary Chelating Agent	XXXXXX	10-20%
Glycolic Acid	79-14-1	1-10%

*In accordance with paragraph (i) of §1910.1200, specific chemical identities and exact chemical percentages (concentration) of composition have been withheld as a trade secret.

SAFETY DATA SHEET

CALCIUM CUTTER

DATE: 1/1/2015

4. FIRST AID MEASURES**Exposure Routes:** Inhalation, Ingestion, Skin**Eye Contact:** Flush with large volume of water for at least 15 minutes. Get immediate medical attention.**Inhalation:** Remove to fresh air. Get immediate medical attention.**Ingestion:** Get immediate medical attention. Do not induce vomiting.**Skin Contact:** Flush area with large amounts of water for at least 15 minutes. Get immediate medical attention.**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media:** Water.**Specific Hazards:** N/A.**Special protective equipment for fire-fighters:** Use self-contained breathing apparatus.**6. ACCIDENTAL RELEASE MEASURES****Personal precautions and protective equipment:****Respiratory Protection:** Use supplied air equipment or respirators with proper NIOSH approved cartridges.**Protective Gloves:** Impervious or chemical resistant gloves (consult safety equipment supplier).**Eye Protection:** Chemical splash goggles recommended against potential eye contact.**Other Protective Clothing and Equipment:** Safety shoes and aprons recommended.**Methods for Clean-Up:****Minor Spills:** Absorb material with ground clay, vermiculite, sand, or similar absorbent material and place into containers for disposal according to local and/or state regulations.**Major Spills:** Dike and contain spill. Eliminate potential sources of ignition, and shut off source of spill if possible. Remove liquid by chemical vacuum, absorbent material, or other safe and approved methods, and place into containers for disposal according to local and/or state regulations. Flush area with water to remove residue, and remove flushed solutions as above.**7. HANDLING AND STORAGE****Handling:** Empty containers can be hazardous. Do not reuse empty containers. Plastic or stainless steel handling and transfer equipment is recommended.**Storage:** Store in a cool, dry, ventilated area, away from incompatible substances. Keep containers closed when not in use. Store between 50° F and 100° F.**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION****Exposure Guidelines:**

<u>COMPONENT</u>	<u>CAS No.</u>	<u>OSHA PEL/TWA</u>	<u>ACGIH TLV/TWA</u>	<u>ACGIH TLV/STEL</u>	<u>OTHER RATING</u>
Proprietary Chelating Agent	XXXXX	2mg/m3	2mg/m3		
Glycolic Acid	79-14-1	N/E	N/E		

Exposure controls: Avoid open electrical sources near product vapor areas.**Personal Protection Equipment:****Eyes:** Chemical splash goggles recommended.**Skin and body:** Impervious or chemical resistant gloves (consult safety equipment supplier).**Respiratory:** Ventilation in work area should be sufficient to maintain atmosphere with vapor level below lowest listed TLV. If TLV's are exceeded, use a respirator with appropriate NIOSH approved cartridges or supplied air equipment.**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance:** Clear to yellowish liquid.**Odor:** Mild odor.**Odor Threshold:** N/A**pH:** 4.75

Melting point: N/A
Boiling Point: 212° F
Flash point: (Tag Closed Cup Method) None
Evaporation Rate: N/A
Flammable Limits:
LEL: N/A
UEL: N/A
Vapor Pressure: < 1.0 mmHg
Vapor Density: N/D
Solubility in water: Complete
Specific Gravity: (Water = 1) 1.01 @ 68° F
Maximum VOC Content: None
Maximum VOC %: 0%
Relative Density: N/A
Partition Coefficient: N-Octano/Water: N/A
Auto-ignition Temperature: N/A
Decomposition Temperature: N/A
Viscosity: N/A

10. STABILITY AND REACTIVITY

Chemical Stability: Stable
Incompatible Materials: None
Hazardous Decomposition Products: None
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Avoid exposure to high heat sources, electrical and welding arcs and open flame. Also avoid strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

(ATE) FOR MIXTURE:

Specific tests have not been conducted on this product. Our evaluations based on information from the ingredients and technical literature. Data for this material has been used to estimate the symptoms and effects of exposure.

Oral LD50:

LD50 Oral - \geq 10,638 mg/kg

Dermal LD50:

LD50 Dermal - No data available

Inhalation LC50:

LC50 Inhalation - No data available

Other information on Acute Toxicity:

No data available

Routes of exposure: Inhalation, Ingestion, Skin

Acute: N/A

Chronic: N/A

Signs and Symptoms of Exposure: Overexposure may lead to dermatitis and eye irritation. Overexposure by ingestion or inhalation may lead to central nervous system depression.

Medical Conditions Aggravated by Exposure: Preexisting eye, skin or respiratory disorders may be aggravated by exposure.

Carcinogenicity (NTP, IARC, OSHA): The components of this product have not shown any evidence of carcinogenicity.

12. ECOLOGICAL INFORMATION**Ecotoxicity:** No data available**Persistence and degradability:** No data available**Bioaccumulative potential:** No data available**Mobility in the soil:** No data available**Other adverse effects:** No data available**13. DISPOSAL CONSIDERATIONS****Waste disposal methods:**

Dispose of in accordance with all applicable local, state and federal regulations. Do not discharge this product into lakes, streams, ponds or estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

14. TRANSPORTATION INFORMATION

<u>U.S. D.O.T. DESIGNATION</u>	<u>ID NUMBER</u>	<u>HAZARD CLASS</u>	<u>PACKING GROUP</u>
Cleaning Liquid. Not Regulated.			

U.N. DESIGNATION

Same as D.O.T.

15. REGULATORY INFORMATION

Regulatory Information: This information may be useful in complying with various federal and state regulations: Components present in this product at a level which could require reporting under EPA Regulation 40CFR302 (CERCLA) Section 102 and EPA Regulation 40CFR372 (SARA) 313: None

Product may contain components which are further regulated by state and/or local agencies - Consult Appropriate Agencies.

Notification status:

U.S.: Toxic Substances Control Act (TSCA) Y

Canada: Domestic Substances List (DSL): Y

16. OTHER INFORMATION

For More Information, Consult Tower Products, Inc.

This Information Herein Is Given In Good Faith, But No Warranty, Express Or Implied Is Made.

Date of Preparation: January 1, 2015