

# Safety Data Sheet

Date prepared: April 24, 2017

Revision number: 0

## Section 1: Identification

### Product Identifier

Product Name:.....**“C” ETCH Biodegradable Concrete Etcher and Remover**

Recommended use of the chemical and restrictions on use: For professional use only.

### Manufacturer:

Thornton Industries Inc.  
2000 N Ashley Road  
Morris, Illinois 60450

### Nonemergency Contact Number:

Thornton Industries Inc. (815) 942-2224

**In case of medical emergencies, please contact your local poison control center.**

## Section 2: Hazard(s) Identification

### Classification of the substance or mixture:



### **GHS05 Corrosion**

Skin Corrosion/Irritation 1A H314 Causes severe skin burns and eye damage  
Eye Damage/ Irritation 1  
Corrosive of Metals 1

### Label elements

### GHS Label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

### **Hazard pictograms.**



### **GHS05**

**Signal Word:** Danger

### **Hazard-determining components of labelling**

Glycolic Acid

### **Hazard statements**

H314 Causes severe skin burns and eye damage

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## Precautionary statements

- P234 Keep only in original container
- P260 Do not breathe dust/fume/gas/mist/vapours/spray
- P264 Wash exposed areas thoroughly after handling
- P280 Wear protective gloves/protective clothing/eye protection/face protection
- P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
- P310 Immediately call a poison center or doctor/physician
- P321 Specific treatment (see section 4 of SDS)
- P363 Wash contaminated clothing before reuse
- P390 Absorb spillage to prevent material damage.
- P405 Store locked up
- P406 Store in a corrosive resistant container
- P501 Dispose of contents/container in accordance with local regulation

**Other hazards not otherwise classified:** None Known

## Classification system:

NFPA ratings (scale 0 – 4)



Health = 3 Fire = 0 Reactivity = 0

## Section 3: Composition/Information on Ingredients

**Pure substance/mixture:**..... Mixture

The following chemicals are classified as health hazards in accordance with paragraph (d) OSHA 29 CFR 1910.1200.

\*The specific chemical identity and/or exact percentage (concentration) has been withheld because a trade secret is claimed in accordance with paragraph (i) of OSHA, 29 CFR 1910.1200.

Chemical Name*	Synonyms	Trade Secret	CAS number	Weight %
Glycolic Acid	-	No	79-14-1	15 - 40

## Section 4: First-Aid Measures

### Description of first aid measures:

**General Information:** .....Immediately remove any clothing soiled by the product.

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**General Information:** .....Symptoms of poisoning may even occur after several hours, therefore medical observation for at least 48 hours after the accident.

**If swallowed:** .....Rinse mouth. DO NOT induce vomiting. Immediately call a poison center or doctor/physician.

**If on skin (or hair):** .....Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately get medical advice/attention.

**If inhaled:** .....Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor/physician.

**If in eyes:** .....Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor/physician.

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

Causes skin and eye irritation.

## **Indication of any immediate medical attention and special treatment needed**

**Note to Physician:** ..... All treatment should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## **Section 5: Fire-Fighting Measures**

**Suitable Extinguishing Media:** .....Regular Foam, Carbon dioxide, Dry Chemical, Water

**Unsuitable Extinguishing Media:**.....No data available.

**Special Hazards arising from the substance or mixture:** Material is corrosive.

**Unusual Fire and Explosion hazards:**.....No data available.

**Hazardous Combustion Products:**.....No data available.

## **Firefighters Recommendations**

**Special Protective Equipment:** .....As in any fire, wear self-contained breathing apparatus pressure demand, MSHA/NOISH(approved or equivalent) and full protective gear.

## **Section 6: Accidental Release Measures**

### **Personal Precautions:**

Wear protective equipment. Keep unprotected persons away.

### **Emergency Procedure:**

As a precautionary measure, isolate spill or leak area. Eliminate all ignition sources and keep unauthorized personnel away.

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## Environmental Precautions:

Dilute with plenty of water and avoid run off to waterways and sewers.

## Methods and material for containment and clean up:

Absorb with liquid binding material (ie. Sand, diatomite, acid binders, universal binders, sawdust)

Use neutralizing agent.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

## Section 7: Handling and Storage

**Precautions for handling:**..... Handle in accordance with good industrial hygiene and safety practice. Use protective equipment recommended in section 8. Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling.

## Conditions for safe storage, including any incompatibilities

**Storage:**..... Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Keep out of reach of children.

**Incompatible materials:** ..... Oxidizing agents. Do not mix with other chemicals or cleaners.

## Section 8: Exposure Control/Personal Protection

**Ventilation and engineering measures:** Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

## Personal protection equipment (PPE)

**Eye/Face protection:** ..... Wear eye/face protection. Wear as appropriate tightly fitting safety goggles accompanied by face shield.

**Hand protection:** ..... Wear protective gloves. The glove material has to be impermeable and resistant to the product/the substance/the preparation. Select glove material based on penetration times, rates of diffusion and degradation.

**Skin/Body protection:** ..... Wear protective gloves. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. The suitability for a specific workplace should be discussed with the producers of the protective regimes.

**Respiratory protection:**..... If airborne concentrations are above the permissible exposure limit or arc not known, use NIOSH-approved respirators. Respirators should be selected

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based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134). Advice should be sought from respiratory protection specialists.

**Hygienic measures:** .....Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

**Other protective equipment:** .....Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

## Section 9: Physical and Chemical Properties

**Appearance:** .....Clear liquid

**Physical State:** .....Water thin liquid

**Color:** .....Colorless

**Odor:** .....Characteristic

**Odor Threshold:**.....No information available

**pH as is:** .....2.5

**Viscosity:**.....No information available

**Relative Density:**.....1.1 g/ml

**Water Solubility:**.....Soluble

**Flash Point:**.....No information available

**Vapor Density:** .....No information available

**Melting Point/Freezing Point:**.....No information available

**Boiling Point and Boiling Range:** .....100 °C (212 °F)

**Evaporation Rate:** .....No information available

**Flammability (solid, gas):**.....No information available

**Upper/lower flammability or explosive limits:**..No information available

**Vapor Pressure:** .....No information available

**Partition coefficient:** .....No information available  
n-Octanol/water

**Auto-ignition Temperature:**.....Product is not self igniting.

**Decomposition Temperature:** .....No information available

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**VOC Content (%) :** .....Product comply with US state and federal regulations for VOC content in consumer products.

## Section 10: Stability and Reactivity

**Chemical Stability:** .....Stable under normal temperatures and pressures.  
**Reactivity:** .....No dangerous reactions under normal conditions of normal use.  
**Possibility of Hazardous Reactions:** .....No dangerous reactions known.  
**Conditions to Avoid:** .....No further relevant information available  
**Incompatible Materials:** .....No further relevant information available  
**Hazardous Decomposition Products:** .....No dangerous decomposition products known

## Section 11: Toxicological Information

**Acute Toxicity:**  
**LD/LC50 values that are relevant for classification:**  
**79-14-1 Glycolic Acid**  
**Oral LD50** 1950 mg/kg rat

### Primary irritant effect:

**Skin:** ..... Strong caustic effect on skin and mucous membranes.  
**Eye:** ..... Corrosive effect.  
**Sensitization:** ..... No sensitizing effects known.

### **Additional toxicological information:**

This product shows the following dangers according to internally approved calculation methods for preparations:  
..... Harmful,  
..... Corrosive  
..... Swallowing will lead to a corrosive effect on mouth and throat and to the danger of perforation of esophagus and stomach.

**Carcinogenicity :** .....No known effect

## Section 12: Ecological Information

**Ecotoxicity:** ..... No further relevant information available.  
**Persistence and Degradability:** ..... No information available.  
**Bioaccumulative Potential:** ..... No information available.  
**Mobility in Soil:** ..... No information available.  
**Additional Ecological Information:** Water hazard class 1, slightly hazardous to water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or un-neutralized.

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## Section 13: Disposal Considerations

### Waste Treatment Methods

#### Waste from Residues / Unused Products

- Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

#### Contaminated Packaging

- Dispose of container accordance with local, regional, national, and/or international regulations. Use water if necessary with cleaning agents.

## Section 14: Transport Information

**UN Number:** ..... UN3265.

**UN Proper shipping name:** ..... Corrosive liquid, acidic, organic, n.o.s. (Glycolic acid).



**Transport Hazard Class:** ..... 8 Corrosive substances.

**Packing Group:** ..... III

**Marine Pollutant:** ..... No

**Special Precautions for user:** ..... Warning: Corrosive substances.

**Danger code:** ..... 80

**EMS Number:** ..... F-A,S-B

**Segregation group:** ..... Acids

**DOT:** ..... Corrosive liquid, acidic, organic, n.o.s. (Glycolic acid) 55 gl  
or higher

**IMDG:** ..... Corrosive liquid, acidic, organic, n.o.s. (Glycolic acid).

**IATA:** ..... Corrosive liquid, acidic, organic, n.o.s. (Glycolic acid).

## Section 15: Regulatory Information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

**Toxic Substances Control Act (TSCA):** ..... All substances are listed.

**SARA 313 Toxic Chemicals:** ..... None of the ingredients is listed

**SARA 355 Extremely Hazardous substances:** .. None of the ingredients is listed

**California Proposition 65:** ..... No California Prop 65 chemicals are known to be present and is not subject to warning labeling under California Proposition 65.

**Carcinogenic categories EPA, TLV, NIOSH-Ca:** ..... None of the ingredients is listed

**OSHA-Ca:** ..... Corrosive eyes

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**GHS label elements** ..... The product is classified and labeled according to the Globally Harmonized System.

**National Regulations** ..... The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

## Section 16: Other Information

The information herein presented makes no representation or warranties and is based on ingredients SDS and/or recognized technical sources. This information is believed to be accurate and it is intended solely to assist in evaluating the suitability and proper use of this product following the safety precautions and procedures. Final determination as to its suitability for health and safety purposes is the sole responsibility of the user. This information applies only to the product designated above and does not apply to its use in combination with any other materials, products or chemical compounds.

### **Abbreviations and acronyms:**

CAS: Chemical Abstract Services

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980

DOT: Department of Transportation

EPA: Environmental Protection Agency

EMS: Emergency Medical Schedule Number

HSDB: Hazardous Substances Data Bank

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association

IMDG: International Maritimes Dangerous Goods

LC: Lethal Concentration

LD: Lethal Dose

MSHA: Mine Safety and Health Administration

NIOSH: National Institute of Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

SARA: Superfund Amendments and Reauthorization Act

SDS: Safety Data Sheet Material Safety Data Sheet

STEL: Short Term Exposure Limit

TOG: Canadian Transportation of Dangerous Goods Act & Regulations

TLV: Threshold Limit Values

TWA: Time Weighted Average

UN Number: United Nations Number

VOC: Volatile Organic Compounds

WHMIS: Workplace Hazardous Materials Identification System

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