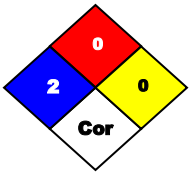
Revision Date - 1/12/2017

Product - CT - 257 MARBLE CRYSTALLIZER

SAFETY DATA SHEET

For Chemical Emergency Spill, Leak, Fire Exposure or Accident
Call INFOTRAC Day or Night
North America: 800-535-5053 International (collect calls accepted): 1-352-323-3500



Section 1– Product And Company Information

Supplier's Name: ChemTron
Supplier's Address: 3911 SW 47TH AVE, # 914, DAVIE, FL, 33314, USA
Product Name: MARBLE CRYSTALLIZER
Product Number: CT - 257

DOT Proper Shipping/ Hazard Name (49 CFR 172.101): Sludge Acid (Oxalic Acid solution)
DOT ID # (49 CFR 172.101): UN 1906
DOT Hazard Class (49 CFR 172.101): Class 8,PGII

FLAMMABILITY (Red): NFPA: 0 **HMIS**: 0
HEALTH (Blue): NFPA: 2 **HMIS**: 2
REACTIVITY (Yellow): NFPA: 0 **HMIS:**0
Personal Protection (HMIS)= D

Section 2 – Health Hazard Identification

This product is considered hazardous according to OSHA's Hazard Communication and international GHS standards and this certification was prepared using Regulations 1907/2006 and 1272/2008.

Classification of the substance or mixture.


Skin Corr. 1A

Acute toxicity, oral. 3

Acute Hazard. 2

· **Label elements**

· **GHS label elements**
The substance is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**


· **Sig-**

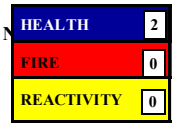
nal

word: Danger!

· **Hazard-determining components of labeling:**
Oxalic acid.
· **Hazard statements**
H301 Toxic if Swallowed
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation
H401 Toxic to aquatic life.
· **Precautionary statements**
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash...thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P273 Avoid release to the environment,
P301+P330+ P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 Wash contaminated clothing before reuse.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310 Immediately call a POISON CENTER or doctor/physician.
P305+ P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

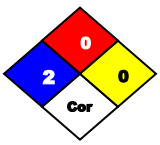
Classification system:
HMIS Ratings (scale 0—4)

Health: 2
Fire: 0
Reactivity: 0



0—4)

Health hazard: 2
Fire: 0
Reactivity Hazard: 0
Special hazard.: Corrosive



Section 3– Components

Component	CAS#	%	ACGIH(TLV-TWA)	OSHA (TWA)
Oxalic Acid	144-62-7	20-30%	2 mg/m3	2 mg/m3

Section 4 - First Aid Measures

If On Skin: Thoroughly wash exposed area with soap and water remove contaminated clothing. Launder before reuse. If necessary, cover affected area with emollient. Get medical attention immediately.
If In Eyes: Remove contact lenses. Flush with large amounts of water, lifting upper and lower lids occasionally. Seek medical attention immediately.
If Breathed: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. Keep person warm and quiet. Get medical attention.
If Swallowed: Do not induce vomiting. Keep person warm, quiet and seek immediate medical attention.

Section 5 – Fire Fighting Measures

Flash Point: None
Flammable Limits in Air: **Upper:** ND **Lower**: ND
Extinguishing Media: Regular foam, carbon dioxide, dry chemical, and water.
Hazardous Decomposition Products: May form carbon oxides and oxides of sulfur.
Firefighting Procedures: Wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode when fighting fires.
Special Fire and Explosion Hazards: None.

Section 6 - Accidental Release Measures

Personal Precautions:
For personal protection see section 8. Persons not wearing protective equipment should be excluded from the area of the spill until cleanup has been completed.

Environmental Precautions:
Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs notify authorities as required.

Methods for Cleaning Up Spills:
Small Spill: Use absorbent materials and dispose as directed by local regulatory norms. Can be neutralized with weak acids.
Large Spill: Stop spill at source. Isolate and dike with soaking materials. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product and dispose according to local laws.

Section 7 – Storage & Handling

KEEP OUT OF REACH OF CHILDREN
For industrial and institutional use only. Store in a cool, dry, well - ventilated area. Do not store at temperatures in excess of 120ºF for prolonged periods.
Always store in original container. Keep container tightly closed. Follow all label instructions and precautions.

Section 8 - Exposure Control / Personal Protection

Respiratory Protection: If workplace exposure limits product or any component is exceeded a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure types) under specified conditions. Engineering or administrative controls should be implemented to reduce exposure.

Ventilation: Provide sufficient mechanical ventilation to maintain exposure below TLV.
Protective Gloves: Rubber, neoprene or other resistant elastomer.
Eye Protection: Chemical splash resistant goggles
Other Protective Clothing & Equipment: Rubber aprons and boots when working with large quantities.

Section 9-Physical And Chemical Properties

Appearance: Thick white liquid. Acid odor.
Color: White.
Odor: Acid odor.
Physical State: Liquid
pH = ND
Melting Point: ND
Boiling Point: 210 ºF
Flash Point: NAP
Evaporation Rate: ND
Flammable Limits: NAP
Vapor Pressure: ND
Specific Gravity (H^2O =1): 1.2 gr/cc
Refractive Index: ND
Vapor Density: (Air=1): ND
Auto ignition Temperature: ND
Solubility in Water: Soluble
Partition coefficient (n-octanol/water): ND
% Volatile: 70-80%

Section 10 – Stability And Reactivity Information

Stability: Stable
Incompatibility (Materials to Avoid): Strong oxidizers and alkaline products.
Hazardous Polymerization: Will not occur
Conditions To Avoid: Direct Heat

Section 11 - Toxicological Information

Oral Toxicity (LD50): Oxalic Acid: 7500 mg/kg [Rat]
Inhalation Toxicity (LC50): No data
Dermal Toxicity (LD50): No data
Irritancy of Product: This product is irritating to the skin, eyes, respiratory, and digestive tract.

Section 12 - Ecological Information

Toxicity: Oxalic Acid (LC50) 4000 mg/L 24Hr [Fish: Bluegill]
Persistence and Degradability: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Bio-accumulative Potential: No Data
Other Adverse Effects: The products of degradation are less toxic than the product itself.

Section 13 - Disposal Considerations

Waste Disposal Method:
Disposal should be made in accordance with federal, state, and local regulations.

Section 14 - Transport Information

The listed transportation classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptions.

Road—DOT (ground)
Proper Shipping Name: Sludge Acid (Oxalic Acid solution)
Hazard class: 8
UN Number: UN1906
Packaging Group: II
Label/Placard: 8 Corrosive Liquid

Sea—IMDG (sea)
Proper Shipping Name: Sludge Acid (Oxalic Acid solution)
Hazard class: 8
UN Number: UN1906
Packaging Group: II
Label/Placard: 8 Corrosive Liquid

Air—IATA (air)
Proper Shipping Name: Sludge Acid (Oxalic Acid solution)
Hazard class: 8
UN Number: UN1906
Packaging Group: II
Label/Placard: 8 Corrosive Liquid

Section 15 - Regulatory Information

Federal and State Regulations: Illinois toxic substances disclosure to employee act: Oxalic acid anhydrous Rhode Island RTK hazardous substances: Oxalic acid anhydrous Pennsylvania RTK: Oxalic acid anhydrous Minnesota: Oxalic acid anhydrous Massachusetts RTK: Oxalic acid anhydrous New Jersey: Oxalic acid anhydrous California Director's list of hazardous substances: Oxalic acid anhydrous TSCA 8(b) inventory: Oxalic acid anhydrous
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

FLAMMABILITY (Red): NFPA: 0 **HMIS**: 0
HEALTH (Blue): NFPA: 2 **HMIS**: 2
REACTIVITY (Yellow): NFPA: 0 **HMIS:** 0
Personal Protection (HMIS)= D

Section 16 – Special Precautions Or Other Comments

Wash hands with soap and water after use. Avoid contact with open wounds. Although information contained herein is believed to be correct as of the date of this document, ChemTron makes no representation as to the completeness or accuracy of such information. ChemTron shall in no event be responsible for any damages directly or indirectly from use of or reliance on this information. This information is provided solely to assist the customer with the Occupational Safety and Health Act of 1970 and The Right to Know regulations. Any other use is prohibited.

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Legend:

NE: Not Evaluated
ND: Not Determined
NA: Not Available
NAP: Not Applicable
NR: Not Regulated