

Material Safety Data Sheet

Material Name: Chemcure Pack (all sizes)

ID: Amer-006

The MSDS format adheres to the standards and regulatory requirements of the United States and may not meet regulatory requirements in other countries.

*** Section 1 - Chemical Product and Company Identification ***

Part Number: NA

Chemical Name: Water activated chemical heater

Product Use: Heat source for curing adhesives

Synonyms:

Manufacturer Information

Ameron International Fiberglass Div
1004 Ameron Road
P. O. Box 878
Burkburnett, TX 76354

Phone #: (940) 569-1471
Fax #: (940) 569-2764
Emergency #: (940) 569-1471
Chemtrec 24 hr#: (800) 424-9300

*** Section 2 - Composition / Information on Ingredients ***

CAS#	Components	Percent
#1305-78-8	Calcium Oxide	<60
#144-62-7	Oxalic Acid	<30
#7664-93-9	Sulfamic Acid	<20

Component Information/Information on Non-Hazardous Components

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

*** Section 3 - Hazards Identification ***

Emergency Overview

Product is a mixture of white and purple powders, non-flammable. When water-activated toxic fumes and gases may be released. Contact may cause irritation or burns to eyes and skin.

Hazard Statements

Warning! Material reacts with water producing steam and acid fumes. Reaction can be violent producing a great deal of heat.

Potential Health Effects: Eyes

This product may cause possible severe corrosion damage.

Potential Health Effects: Skin

This product may cause skin irritation, including redness, and possible severe corrosion damage. Reaction with water can cause burns.

Potential Health Effects: Ingestion

Ingestion can cause gastrointestinal injury, nausea, vomiting, cramps, shock and **possible death**.

Potential Health Effects: Inhalation

Reacting of this product may release harmful vapors. Can cause coughing, sneezing, and irritation of mucous membranes.

HMIS RATINGS: Health: 3 Fire: 1 Reactivity: 2 Pers. Prot.: impervious gloves, chemical goggles

Hazard Scale: 0 = Minimal 1= Slight 2= Moderate 3= Serious 4 = Severe * = Chronic hazard

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention or advice.

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First Aid: Skin

For skin contact, wash immediately with soap and water. Get medical attention if irritation persists or develops.

First Aid: Ingestion

If the material is swallowed, and if conscious, give large amounts of milk or water. Get immediate medical attention or advice-- **Do not** induce vomiting unless instructed to do so by medical personnel.

First Aid: Inhalation

If inhaled, immediately remove to fresh air. Provide artificial respiration if necessary. If symptoms develop or persist, get immediate medical attention.

First Aid: Notes to Physician

Provide general supportive measures and treat symptomatically.

*** Section 5 - Fire Fighting Measures ***

Flash Point:	NA	Method Used:	NA
Upper Flammable Limit (UFL):	NA	Lower Flammable Limit (LFL):	NA
Auto Ignition:	NA	Flammability Classification:	Non-flammable

General Fire Hazards

Irritating and toxic gases or fumes may be released during a fire.

Extinguishing Media

Large amounts of water, foam, carbon dioxide, and dry chemical

Fire Fighting Equipment/Instructions

Firefighters should wear full protective clothing including self-contained breathing apparatus.

NFPA Ratings: Health: 3 Fire: 1 Reactivity: 2 Other:

Hazard Scale: 0 = Minimal 1= Slight 2= Moderate 3= Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Contain discharged material.

Clean-Up Procedures

Shovel the material into waste container and seal. Do not allow the spilled product to enter public drainage system or open watercourses. Wear appropriate protective equipment and clothing during clean up. Ventilate the contaminated area. Thoroughly wash the area with water after a spill clean up.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

Special Procedures

If water is used then large amounts are needed to quench developed heat.

*** Section 7 - Handling and Storage ***

Handling Procedures

Do not get this material in your eyes, on your skin, or on your clothing. Use this product with adequate ventilation. Avoid breathing fumes if this product gets wet. Keep this product away from water, until ready to use. Wash thoroughly after handling. Remove contaminated clothing and laundry before reuse.

Storage Procedures

Keep the container tightly closed and store in a cool, dry, well-ventilated place.

*** Section 8 - Exposure Controls / Personal Protection ***

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Exposure Guidelines

Calcium Oxide (CAS# 1305-78-8) OSHA PEL 5 mg/m³, ACGIH TLV: 2 mg/m³

Oxalic Acid (CAS# 144-62-7) OSHA PEL 1 mg/m³, 2 mg/m³ STEL,
ACGIH TLV 1 mg /m³, 2 mg/m³ STEL

Engineering Controls

Good general ventilation required. Use local exhaust if necessary.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear chemical goggles.

Personal Protective Equipment: Skin

Use impervious gloves. Use of protective coveralls and long sleeves is recommended.

Personal Protective Equipment: Respiratory

If ventilation is not sufficient to effectively remove vapors and fumes, appropriate NIOSH/MSHA respiratory protection must be provided.

Personal Protective Equipment: General

Use good industrial hygiene practices in handling this material.

*** Section 9 - Physical & Chemical Properties ***

Appearance:	White & purple	Odor:	Slight to none
Physical State:	Powder	pH:	Very acidic
Vapor Pressure:	NA	Vapor Density:	NA
Boiling Point:	NA	Melting Point:	NA
Solubility (H₂O):	Reacts violently with water	Specific Gravity:	1.1 to 1.2
Freezing Point:	NA	Particle Size:	NA
Softening Point:	NA	Evaporation Rate:	NA
Viscosity:	NA	Bulk Density:	NA
Percent Volatile:	NA	Molecular Weight:	Mixture

Physical Properties: Additional Information

None

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Stable

Chemical Stability: Conditions to Avoid

Keep container tightly closed. Keep away from moisture or water. This product may react with oxidizing agents and strong acids, alkalis, silver compounds and furfuryl alcohol..

Hazardous Decomposition

Thermal decomposition may produce carbon monoxide, carbon dioxide, nitrogen oxides, ammonia and Formic acid.

Hazardous Polymerization

Will not occur.

*** Section 11 - Toxicological Information ***

Acute Toxicity

A: General Product Information

No data available for product.

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B: Component LD50/LC50

Oxalic Acid (CAS#144-62-7)

LD50: Oral, Rat: 375 mg/kg

DRML, RBT: 20 g/kg

Carcinogenicity

A: General Product Information

No data available for product.

B: Component Carcinogenicity

No

Epidemiology

No data available for product.

Neurotoxicity

No data available for product.

Mutagenicity

No data available for product.

Teratogenicity

No data available for product.

Other Toxicological Information

None.

*** Section 12 - Ecological Information ***

Ecotoxicity

No data available for this product.

Environmental Fate

No data is available concerning environmental fate, biodegradation, or bioconcentration for this product.

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

As shipped, product is not regulated as a hazardous waste.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

*** Section 14 - Transportation information ***

US DOT Information

Shipping Name: (Oxalic Acid/Sulfamic Acid) corrosive, solid, acidic, organic, N.O.S.

Hazard Class: 8

UN/NA#: 3261

Packing Group: III

Required Label(s): Corrosive

Additional Info.: None

International Transportation regulations

No additional information.

***** Section 15 - Regulatory Information *******US Federal Regulations****A: General Product Information**

No additional information.

B: Component Information

None of this product components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4). All Identified ingredients are on the TSCA Inventory.

State Regulations**A: General Product Information**

No additional information.

B: Component Information

None of this product's components are listed on the state lists from CA, FL, MA, MN, NJ, or PA.

Other Regulations**A: General Product Information**

Components of this product have been checked against the non-confidential TSCA inventory by CAS registry number. Components not identified on this non-confidential inventory are exempt from listing (i.e. polymers) or are listed on the confidential inventory as declared by the supplier.

B: Component Information (Canada)

No components are listed in the WHMIS IDL

All identified ingredients are on the Canadian Domestic Substances List.

***** Section 16 - Other Information *******Other Information**

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration.

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This is the end of MSDS # AMER-006