

# MATERIAL SAFETY DATA SHEET

Wel-Cote™ Thermocote  
09/30/02

FILE NO: THRMCT  
MSDS DATE:

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Wel-Cote™ Thermocote  
 SYNONYMS: Thermal Cable Foundation  
 PRODUCT CODES: 129(25 lb.), 129M(50 lb.)  
 MANUFACTURER: Welco Manufacturing Company  
 ADDRESS: 1225 Ozark Street, North Kansas City, Missouri 64116

EMERGENCY PHONE: (800)821-7352  
 OTHER CALLS: (816)471-1788  
 FAX PHONE: (816) 471-3439

CHEMICAL FAMILY: Mixture of Calcium Sulfate Hemihydrate and Minerals.  
 CHEMICAL FORMULA: Compound

PRODUCT USE: Thermal Cable installation.  
 PREPARED BY: Robert L. Hamilton

### SECTION 1 NOTES:

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS Number	% WT	% VOL	TLV (mg/m <sup>3</sup> )	PEL(mg/m <sup>3</sup> )
Plaster of Paris	26499-65-0	>60	>60	10	15(T)/5(R)
CrystallineSilica	14808-60-7	>15	>15	.05(R)	10(T)/3(R)
Polysaccharide	53124-00-8	<5	<5	10(T)	15(T)/5(R)
	113894-92-1				
Guar Gum	39421-75-5	<1	<1	10(T)/5(R)	15(T)/5(R)
Talc	14807-96-6	<5	<5	2(R)	2(R)
Zinc Sulfate	7733-02-0<1	<1	NL	NL	NL

## SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Not hazardous when used according to directions.

ROUTES OF ENTRY: Eyes, Mouth, and Nose

### POTENTIAL HEALTH EFFECTS

**EYES:** Contact can cause mechanical irritation. Rinse with water for at least 15 minutes. If burning, redness or pain persist, contact a physician.

**SKIN:** Prolonged contact may cause irritation. Wash with soap and water. If irritation persists, contact a physician.

**INGESTION:** Material is nontoxic, however, ingestion of a significant quantity may cause an obstruction. If gastric discomfort occurs, contact a physician.

**INHALATION:** Inhalation of dust may irritate nose, throat, and lungs. Remove to fresh air. Seek medical attention if condition persists.

### ACUTE HEALTH HAZARDS

**EYES:** May cause mechanical irritation of the eyes, burning, redness, or pain. If these conditions persist, contact a physician.

**SKIN:** This material hardens when mixed with water. Heat is generated as the material sets. DO NOT attempt to make a cast of the body using this material. Use of this product for making casts of the body can cause severe burns which may result in the need for surgical removal of the damaged tissue or amputation of the affected limb. Prolonged contact with the skin may result in abrasions. If irritation persists, contact a physician.

**INHALATION:** The dust from dry product or as a result of sanding may cause upper respiratory irritation. If this condition

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develops, remove the person to fresh air. If these conditions persist, contact a physician.

**INGESTION:** Unlikely to occur. If significant quantity is swallowed, the product will react with moisture and cause gastric blockage. If this occurs, contact a physician.

**CHRONIC HEALTH HAZARDS:** Chronic overexposure to dust may result in lung disease and/or cancer.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Pre-existing upper respiratory and lung diseases, which may include, but are not limited to, bronchitis, emphysema, and asthma.

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## CARCINOGENICITY

MATERIAL	NTP:	IARC:
Respirable Crystalline Silica	Anticipated	Group 1
Vinyl Acetate Monomer	Not Listed	2B

**SECTION 3 NOTES:** When used as directed, quantities of Respirable Silica and Vinyl Acetate Monomer would be expected to be less than the prescribed OSHA/NIOSH limits. Wear eye and skin protection. Use NIOSH/MSHA approved respirator when dry sanding

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## SECTION 4: FIRST AID MEASURES

**EYES:** Rinse with water for at least 15 minutes. If redness or irritation persists, consult physician.

**SKIN:** Rinse with soap and water. If irritation persists, consult physician.

**INGESTION:** If nausea or irritation or gastric blockage occurs, consult physician.

**INHALATION:** Remove to fresh air. If respiratory symptoms persist, consult physician.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Rinse affected areas with water.

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## SECTION 5: FIRE-FIGHTING MEASURES

**FLAMMABLE LIMITS IN AIR, UPPER:** None  
**LOWER:** None

**FLASH POINT:** Non-Combustible

**AUTOIGNITION TEMPERATURE:** None

### NFPA HAZARD CLASSIFICATION

**HEALTH:** 1      **FLAMMABILITY:** 0      **REACTIVITY:** 0  
**OTHER:** N/A

### HMIS HAZARD CLASSIFICATION

**HEALTH:** 1      **FLAMMABILITY:** 0      **REACTIVITY:** 0  
**PROTECTION:** 0

**EXTINGUISHING MEDIA:** Use appropriate extinguishing media for surrounding fire.

**SPECIAL FIRE FIGHTING PROCEDURES:** None

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Dioxide will be produced at temperatures exceeding 800°C. Thermal decomposition will produce Water, Carbon Dioxide, Carbon Monoxide, and Acetic Acid.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** Use normal clean up procedures. Area may become slick, take caution to avoid falling. Wear appropriate protective equipment. Shovel material into a waste container for disposal.

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**SECTION 6 NOTES:** Dispose of material in accordance with federal, state, and local regulations.

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## SECTION 7: HANDLING AND STORAGE

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**HANDLING AND STORAGE:** Use appropriate personal protection equipment when handling and finishing.

**OTHER PRECAUTIONS:** Store in dry conditions. Conditions causing the presence of liquid will harden this material during storage.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**ENGINEERING CONTROLS:** Minimize dust exposure in accordance with good hygiene practices.

**VENTILATION :** Ventilate to keep exposures below TLV.

**RESPIRATORY PROTECTION:** Wear NIOSH/MSHA approved respirator when dry sanding.

**EYE PROTECTION:** Wear safety glasses or goggles to prevent particulate irritation to the eye.

**SKIN PROTECTION:** Generally not necessary, but may be desirable in certain conditions.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** None

**WORK HYGIENIC PRACTICES:** Follow acceptable good hygiene practices.

**EXPOSURE GUIDELINES:** Use wet sanding technique to avoid exposure to dust.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** White to off-white powder.

**ODOR:** Low odor.

**PHYSICAL STATE:** Dry powder.

**pH AS SUPPLIED:** 7-8.5

**BOILING POINT:**

F: 212°

C: 100°

**MELTING POINT:** Decomposes

F: 787°

C: 1450°

**FREEZING POINT:**

F: N/A

C: N/A

**VAPOR PRESSURE (mmHg):** N/A

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F: 20°

C: -8°

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 1.5-2.5

**SOLUBILITY IN WATER:** Soluble

**PERCENT SOLIDS BY WEIGHT:** 100

**PERCENT VOLATILE:**

BY WT/ BY VOL @ 212°F/ 100°C

0

0

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VOLATILE ORGANIC COMPOUNDS (VOC):

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## SECTION 10: STABILITY AND REACTIVITY

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STABLE

UNSTABLE

STABILITY: Yes

CONDITIONS TO AVOID (STABILITY): Liquids will cause product to harden.

INCOMPATIBILITY (MATERIAL TO AVOID): Acids.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon Dioxide, Carbon Monoxide, and Acetic Acid.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID (POLYMERIZATION): None.

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## SECTION 11: TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION: Not toxic.

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## SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION: No effect known.

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## SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: Dispose of in accordance with federal, state, and local regulations, as these will differ from one area to the next.

RCRA HAZARD CLASS: None

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## SECTION 14: TRANSPORT INFORMATION

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### U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Wel-Cote® Thermocote

HAZARD CLASS: Non Hazardous

ID NUMBER: NMFC 91950

PACKING GROUP: None

LABEL STATEMENT: None

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## SECTION 15: REGULATORY INFORMATION

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### U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): N/A

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): N/A

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): N/A

311/312 HAZARD CATEGORIES: None

313 REPORTABLE INGREDIENTS: None

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**STATE REGULATIONS: None**

**INTERNATIONAL REGULATIONS: None**

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