

## SAFETY DATA SHEET

### IDENTIFICATION

PRODUCT NAMES: Ramco Supertemp 1900/Super Stik, Ramcote 1200/ Quik Cote, Ramco Thermokote MW, MWP, GPFF, FW, GP, V16 and 1V.

PRODUCT TYPE: Cementitious Insulation.

CHEMICAL NAME: Mixture.

MANUFACTURER: Ramco Insulation, Inc.

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Joplin, Missouri 64804

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USE: Insulation.

RESTRICTIONS: Personal using these products should be properly trained and aware of the presence of hazardous dust within these products.

### HAZARDOUS IDENTIFICATION

HAZARDOUS OVERVIEW: Dry mixtures of gray or off white ingredients and fibrous wool or powders. Fiber component can cause eye, skin and upper respiratory irritation. Dust has respirable fiber. Respirators must be worn during mixing and applying. No fire hazard.

### HEALTH EFFECTS

ACUTE: May cause temporary mild irritation to the eyes, skin, nose and or throat.

CHRONIC: Repeated or prolonged inhalation of respirable crystalline silica may cause lung injury such as silicosis or lung cancer.

### HAZARD CLASSIFICATION INFORMATION:

The dust from these products may contain more than 0.1% crystalline silica thus;

ACGIH has classified crystalline silica (Quartz) as A2-Suspected Human Carcinogen.

IARC has classified crystalline silica (Quartz) when inhaled as carcinogenic to humans (Group 1).

## COMPOSITION/INGREDIENTS

INGREDIENT	CAS NO.	% BY WT.
Mineral Wool Fiber	65997-17-3	25-35
Bentonite Colloidal Clay	1302-78-9	15-25
Portland Cement	65997-15-1	25-35
Calcium Carbonate	1317-65-3	20-30
Fly Ash	14808-60-7	5-15
Cellulose	65997-61-4	5-10
Ball Clay	1318-74-7	15-25
Muscovite	12001-26-2	10-20
Pyrophyllite	12269-78-2	5-15
Microfil	93763-70-3	5-10
Vermiculite	1318-00-9	15-25
Rust Inhibitor (Trade Secret)	-----	<5
Crystalline Silica	14808-60-7	0-1

## FIRST AID MEASURES

Eyes: Flush with water for 15 minutes or longer. Do not rub eyes. If irritation persists seek medical attention.

Skin: Wash with soap and water. Lotion or skin cream may help. If irritation persists seek medical attention.

Respiratory Tract: Remove individual to dust free area. If irritation persists seek medical attention.

Ingestion: Unlikely. Drink water to flush material through system. If irritation persists seek medical attention.

## FIRE FIGHTING MEASURES

These products do not support combustion. Normal extinguishing media is suitable for surrounding fire.

## ACCIDENTAL RELEASE MEASURES

Avoid dust. Use normal housekeeping procedures. Vacuum with HEPA filtered equipment. Use closed containers to remove product to disposal. Protect workers with gloves and approved respirators.

## HANDLING AND STORAGE

Handling: Avoid dust from product. Protect with respirators at all times when handling these products.

Storage: Store in dry area on pallets.

## EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure guidelines: OSHA has not established guidelines for PEL. ACGIH has established PEL for mineral wool fiber as 1 f/cc.

Engineering Controls: Use dust collection devices and ventilation to reduce concentrations of dust.

Skin: Wear clothing to cover all areas to prevent skin irritation. Contaminated clothing should not be taken away from the general work area. If clothing is taken home for cleaning it should be washed separately from other clothing. Washing machine should be rinsed after washing.

Eye: Safety glasses or other forms of eye protection should be used. Those with contact lenses must wear suitable eye protection. If irritated eyes must be flushed with water.

Respiratory: NIOSH approved respirators must be worn to protect workers. N 95 type disposable respirators or better is recommended. All respirators must be properly fitted. It is imperative to protect workers from respirable dusts.

## PHYSICAL AND CHEMICAL PROPERTIES

ODOR AND APPEARANCE: Gray mixture of dry fine aggregates and fiber. No odor.

CHEMICAL FAMILY: Insulating cements.

BOILING POINT: Does not apply.

WATER SOLUBILITY: Not soluble.

MELTING POINT: 2000F.

VAPOR PRESSURE: Not applicable.

pH: 9 to 10.

VAPOR DENSITY: Not applicable.

% VOLATILE: Not applicable.

#### STABILITY AND REACTIVITY

REACTIVITY: These products are stable under normal conditions.

STABILITY: These products are stable under normal conditions.

INCOMPATIBLE MATERIALS: Acids. Chlorine, Fluorine and Oxidizers.

CONDITIONS TO AVOID: Incompatible materials.

HAZARDOUS DECOMPOSITION PRODUCTS: While drying if exposed to elevated temperatures steam may be produced.

#### TOXICOLOGICAL INFORMATION

TOXICOLOGY: These products may contain crystalline silica.

MINERAL WOOL FIBER: Studies from occupational exposure show no evidence of increased risk of cancer from the use of mineral fibers.

CRYSTALLINE SILICA: Exposure to crystalline silica can cause silicosis and other diseases of the lungs. The International Agency for Research on Cancer concluded in 1997 that crystalline silica can cause cancer. IARC also noted that carcinogenicity was not detected in all industrial circumstances. More recent studies suggest that the main effect of inhalation of respirable crystalline silica is silicosis. Preventing the onset of silicosis will reduce the cancer risk.

SKIN CONTACT: Adverse effects are not expected.

EYE CONTACT: Direct contact may cause irritation.

#### ECOLOGICAL INFORMATION

EFFECTS: These products do not adversely affect the environment.

## DISPOSAL CONSIDERATIONS

INSTRUCTIONS: These products are not considered hazardous waste. Proper disposal would include using covered containers or other suitable means to contain the product. Compliance with federal, state and local regulations is mandatory.

## TRANSPORT INFORMATION

DOT: Not regulated as hazardous.

## REGULATORY INFORMATION

### REGULATIONS:

OSHA: Comply with Hazard Communications Standard 29 CFR 1910.1200.

SARA Title III: No substances reportable.

TSCA: All components of these products are listed in the TSCA Chemical Inventory as required.

OTHER: California lists crystalline silica in Proposition 65. In other states local OSHA and EPA regulations should be considered when using these products.

## OTHER INFORMATION

Prepared by: RAM

Disclaimer: The information accumulated herein is believed to be accurate but is not warranted to be whether originating with Ramco Insulation, Inc. or not. This information is offered solely for use in your evaluation of this product in respect to safety, health and environmental hazards.

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