

SAFETY DATA SHEET

IDENTIFICATION

Mineral Fiber and Fiberglass Pipe and Tank Insulation

Product use: Industrial Insulation

Product name: Ramwrap Pipe and Tank Insulation

Company Address: Ramco Insulation
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Joplin, Missouri 64804

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INGREDIENTS

Name	CAS Number	Percent
Mineral Fiber	65997-17-3	94-99
Cured Binder	25104-55-6	1-6

HAZARDS IDENTIFICATION

Emergency Overview: Exposure to dust may be irritating to eyes, nose, and throat

Inhalation: Temporary irritation of respiratory tract.

Skin Contact: May cause temporary itching.

Ingestion: Not likely.

Eye Contact: May cause temporary itching or redness to the eye.

FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for 15 minutes or longer. Do not rub eyes. If irritation persists, see a physician.

Skin: If irritated wash with plain water and then soapy water. A washcloth may help remove fibers. If irritation persists, consult a physician.

FIRST AID MEASURES CONTINUED

Inhalation: Remove individual to fresh air. Blow nose. If irritation persists consult a physician.

Ingestion: Not likely. Should it occur rinse mouth to remove dust. Drink water to reduce irritation. If irritation persists consult a physician.

FIRE-FIGHTING MEASURES

These products are non flammable, with no flash point, no fire hazard. Outer wrap could burn if exposed to heat or flame.

Should fire occur extinguish with dry chemical foam or water.

Products of combustion include carbon monoxide, carbon dioxide and trace gases.

Protective Equipment: Normal fire fighting procedures.

ACCIDENTAL RELEASE MEASURES

Containment: Pick up large pieces and collect in suitable container for non hazardous waste. Sweep fibers and dust and then collect with vacuum cleaners.

Cleanup: Vacuum loose dust and fibers. Dispose in containers suitable for non-hazardous waste. OSHA recommended work practices and protective equipment including should be worn during cleanup.

Response: Isolate area. Keep all persons not involved in the actual cleanup away from the contaminated area until area is secure.

HANDLING AND STORAGE

Handling: Avoid dust from the product. Wear protective clothing. Insure ventilation. Avoid excessive eye and skin contact with dust and fibers. Minimize creation of dust.

Storage: Keep product in original package until needed for use.

Hygiene: Wash hands after handling product.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Controls: General ventilation should be maintained to avoid exposure above regulatory and recommended limits.

Eye/Face protection: Safety glasses.

Respiratory protection: A properly fitted NIOSH approve disposable N 95 type dust respirator or better is recommended.

Skin Protection: Long sleeve shirts and long pants and gloves when needed.

Regulatory Exposure Limits:

Source	Recommended Exposure Limit
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OSHA :	15mg/m ³ TWA-PEL (total particulate), 5 mg/m ³ TWA-PEL (respirable particulate) for inert dust and particulates not otherwise regulated. 1 f/cc TWA (recommended) for Synthetic Vitreous Fibers > 5 microns length, > 3 microns diameter.
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ACGIH:	10mg/m ³ TWA-TLV (inhalable particulate), 3 mg/m ³ TWA-TLV (respirable particulate) for non classified particulates. 1 f/cc TWA (threshold limit value-TLV) for Synthetic Vitreous Fibers >5 microns length, > 3 microns diameter.
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PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Fibrous

State: Solid

Odor: Organic

Melting Point: Mineral Fiber, 2150 F, 2075 Fiberglass.

Solubility: Insoluble in water.

All other issues are non applicable.

STABILITY AND REACTIVITY

Stability: Stable

Reactivity: Not reactive

Decomposition: See Fire Fighting Measures for products of combustion.

Hazardous Polymerization: Does not occur.

Incompatible Materials: None

TOXICOLOGICAL INFORMATION

Acute Toxicity: Dust may cause irritation to eyes and skin. Not damaging in general way. Continuous use may condition skin itching to diminish.

Chronic Toxicity:

Summary: Various evaluations of exposure to mineral fibers including fiberglass have concluded the following:

The effects of exposure to these fibers have been evaluated in long term studies. Early testing identified elevated rates of respiratory cancer in the worker population. These studies did not separate exposure to tobacco and other factors such as asbestos. For these reasons exposure to mineral fibers was classified 2B (possibly carcinogenic) to humans.

In subsequent studies including studies to limit evaluation to risk associated with exposure to mineral fibers alone. It was concluded from these tests that there was no evidence of increased risk of lung cancer or mesothelioma from occupational exposure.

Injecting high doses of mineral fibers did produce increased incidence of mesothelioma. These studies were considered irrelevant in evaluating the risk of normal exposure from working with these products.

The conclusion from all available studies on risk evaluation leads to no adequate evidence overall for cancer risk from mineral fibers.

These products are classified Group 3 by IARC (Not classified as human carcinogen).

ECOLOGICAL INFORMATION

Ecotoxicity: Not expected to harm animals, fish or plants.

DISPOSAL CONSIDERATIONS

Disposal Instructions: This product is not considered hazardous waste. Dispose of waste material in accordance with Federal, State, Local and other environmental regulations.

TRANSPORT INFORMATION

General: No special precautions.

DOT Information: This product is classified non hazardous for transport.

REGULATORY INFORMATION

U.S. Regulations:

All components of this product as listed on US EPA TSCA (Toxic Substances Control Act)

ADDITIONAL INFORMATION

Accuracy: The information in this communication is considered accurate. This information is a guide to the use of these products.

Disclaimer: No warranty is made with respect to this information.

SDS Author: RAM

Date: August 1, 2015