MATERIAL SAFETY DATA SHEET

Therma-Cote Ceramic Insulating Coating

Section 1 – Chemical Product and Company Identification

MSDS Name: Therma-Cote Ceramic Insulating Coating
Synonyms: None
Manufacturer:

Therma-Cote, Inc.
1369 Herrington Road
Lawrenceville, GA 30044

Emergency Phone #: 770-458-6877
Information Phone #: 770-458-6877
Date Prepared: August 2001
Date Revised: February 2008 (updated)

Section 2 – Composition, Information on Ingredients

The following ingredients are subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

CAS Number	Hazardous Ingredients	(%)	OSHA PEL	ACGIH TLV
	None			

Section 3 – Hazards Identification

EMERGENCY OVERVIEW

Appearance: Viscous. Flash Point: None. Nuisance dust.
Target Organs: None

Potential Health Effects

Eye: Produces irritation.
Skin: None known
Ingestion: May cause irritation of the digestive tract.
Inhalation: May cause irritation.
Chronic: No long term effects from repeated exposure have been observed.

Section 4 – First Aid Measures

Eye: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid if irritation persists.
Skin: Flush skin with plenty of soap and water for at least 15 minutes, while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.
Ingestion: Induce vomiting by giving syrup of ipecac. Get medical attention immediately.
Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration.

Section 5 – Fire Fighting Measures

General Information:	Containers can build up pressure if exposed to heat and/or fire. As in any fire, wear a self-contained breathing apparatus and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire exposed containers cool.
Extinguishing Media:	For small fires, use dry chemical, carbon dioxide or alcohol foam. For large fires, use water spray, fog or alcohol foam. Use water spray to cool fire exposed containers. DO NOT use straight streams of water.
Flash Point:	None
Autoignition Temperature:	None
Explosion Limits:	None
NFPA Rating:	(estimated) Health: 1; Flammability: 0; Reactivity: 0
Unusual Fire and Explosion Hazards:	Product will not burn but may spatter if temperature exceeds boiling point. Extreme heat may cause closed containers to burst. Dried films of product are capable of burning, giving off oxides of carbon/nitrogen.

Section 6 – Accidental Release Measures

General Information:	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:	Absorb spill with inert material (e.g. vermiculite, sand or earth), then place it in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. wear appropriate protective clothing to minimize contact with skin.

Section 7 – Handling and Storage

Handling:	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin and clothing. Empty containers contain product residue and can be dangerous. Avoid ingestion and inhalation. Use only with adequate ventilation.
Storage:	Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 – Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate or general local exhaust ventilation if airborne dust concentrations exceed 15 mg/M^3.

Exposure Limits:

Chemical Name	ACGIH	NIOSH	OSHA – Final PELs

Therma-Cote Ceramic Insulating Coating	None	None	None

Personal Protective Equipment

Eyes: Wear chemical goggles.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134. Always use a NIOSH approved respirator when necessary.

Section 9 – Physical and Chemical Properties

Physical State	Liquid
Appearance:	Viscous solution of ceramic and acrylic latex.
Odor:	Slight ammonia odor.
Vapor Pressure (mm Hg):	20 @ 25 ^{o}C
Vapor Density (Air = 1):	<1
Evaporation Rate: (Butyl Acetate = 1)	<1
Viscosity	N/A
Boiling Point:	212 ^{o}F
Melting Point:	N/A
Solubility in water:	Soluble
Total Volatile Content:	45.26%
Volatile Organic Content:	0.0099 lbs/gal
Specific Gravity (H_2O = 1):	0.622

Section 10 – Stability and Reactivity

Chemical Stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
Conditions to Avoid:	High temperatures.
Incompatibilities with Other Materials:	Strong oxidants, strong acids
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, irritating and toxic fumes and gases.
Hazardous Polymerization:	Has not been reported.

Section 11 – Toxicological Information

RTECS#:	None
CAS#:	None
LD50/LC50:	N/A
Carcinogenicity:	The constituents within this product are not known to separate from the product, it is a part of a specific polymer.
Epidemiology:	N/A
Teratogenicity:	N/A
Reproductive Effects:	N/A
Neurotoxicity:	N/A
Mutagenicity:	N/A

Section 12 – Ecological Information

Ecotoxicity: N/A

Environmental	N/A
Physical:	N/A

Section 13 – Disposal Considerations

Waste Disposal Methods: Waste from this material is not hazardous as defined under the Resource Conversation & Recovery Act (RCRA) 40 CFR 261. Dispose of in accordance with Federal, State, and Local regulations.

Section 14 – Transport Information

Shipping Name:	Non-regulated Material
Hazard Class:	None
UN Number:	None
Packing Group	None

Section 15 – Regulatory Information

SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ
Section 313
No chemicals are reportable under Section 313
Clean Air Act:
This material does not contain any hazardous air pollutants.
Clean Water Act:
None of the chemicals in this product are listed as Hazardous Substances under the CWA.
OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.

Section 16 – Additional Information

No additional information available