1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name **ThermaCote®**

Manufacturer ThermaCote, Inc
1369 Herrington Rd.
Lawrenceville, GA 30044 USA

Telephone Numbers – General Assistance

General	770-458-6877
Emergency	770-458-6877

Date MSDS Prepared 5/20/2011

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			

3. HAZARDS IDENTIFICATION

Emergency Overview

May cause irritation to the eyes, skin, and respiratory system. Ingestion may cause gastric disturbances.

Primary Routes of Exposure

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin Contact may be a route of entry for liquefied gases.

Health Effects: Eyes

This product may cause irritation to the eyes.

Health Effects: Skin

This product may cause irritation to the skin.

Health Effects: Inhalation

This product may cause irritation to the respiratory system.

Health Effects: Ingestion

Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

4. FIRST AID MEASURES

Eyes

Immediately flush eyes with water for at least 15 minutes. If irritation persists get medical attention.

Skin

For skin contact, was with soap and flush with large amounts of water. If irritation persists, get medical attention. Immediately take off all contaminated clothing. Wash contaminated clothing before reuse.

Inhalation

If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Seek medical attention.

Ingestion

Drink 1 to 2 glasses of water. If ingestion of a large amount does occur, seek medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Medical Conditions Aggravated by Exposure

Pre-existing skin condition may be aggravated by overexposure.

5. FIRE FIGHTING MEASURES

Flash Point Non combustible

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.

Fire Fighting Equipment / Instructions

Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES

Emergency Action: Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Ventilate enclosed areas. Ventilate closed spaces before entering.

Wear appropriate personal protective equipment during cleanup. Do not touch or walk through spilled material. **Small Spills**: Absorb with earth, sand or other non-combustible material and transfer to

containers for later disposal. **Large Spills:** Dike ahead of liquid spill for later disposal. Prevent entry into waterways, sewers, basements or confined areas.

Surfaces may become slippery after spillage.

7 HANDLING & STORAGE

Handling Procedures

Avoid contact with skin and eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

No special measures necessary provided product is used correctly

Storage Procedures

Keep the container tightly closed and in a cool, well-ventilated place. Avoid freezing or excessive heat.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupation Exposure Limits

None applicable

Engineering Controls

Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product. 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/M3

Personal Protective Equipment: Eyes/Face

Wear chemical goggles; face shield (if splashing is possible).

Personal Protective Equipment: Skin

Wear suitable protective clothing. Use impervious gloves.

Personal Protective Equipment: Respiratory

Under normal conditions, respirator is not normally required. If vapors are present or irritation is experienced, NIOSH approved respiratory protection for organic vapors should be worn.

Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Viscous solution of ceramic and acrylic
Odor	Slight ammonia odor
Flash Point	Non combustible

Boiling Point	212°F
Specific Gravity	0.622
Total Volatile Matter	45.26%
Volatile Organic Content	0.0099
Vapor Pressure	20 @ 25°C
Vapor Density	<1
Viscosity	3500-7000
Evaporation Rate	<1
Solubility in Water:	Soluble

10. STABILITY & REACTIVITY

Conditions to Avoid

Avoid extreme heat

Chemical Stability

Stable under normal conditions.

Incompatibility

Metal salts, hydrofluoric acid, strong oxidizers
This product may react with strong oxidizing agents.

Hazardous Decomposition

Decomposition of this product may yield carbon dioxide, carbon monoxide and hydrocarbons. May react with hydrofluoric acid to form a toxic gas.

Hazardous Polymerization

Has not been reported.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Oral:

LD50/rat >2,000 mg/kg

Skin irritation:

Not available

Eye irritation:

Not available

Chronic Toxicity

Not available

Carcinogenicity:

Not listed as carcinogenic according to IARC, NTP or OSHA.

Other information:

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available on finished product.

13 DISPOSAL CONSIDERATIONS

Disposal Instructions

Do not discharge into drains, surface waters or groundwaters. Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

14 TRANSPORT INFORMATION

DOT Proper Shipping Name This product is not regulated by DOT, IMO or IATA.

15. REGULATORY INFORMATION

Federal Regulations

Registration status:	TSCA, US released / listed
OSHA hazard category:	Not hazardous
SARA hazard categories (EPCRA 311/312):	Not hazardous

State regulations

State RTK

The following materials are non-hazardous, but are included in this product.

CAS Number	Chemical name	State RTK
	NJTS-50078-NCD	**NJ, PA, MA**

16 OTHER INFORMATION

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HAZARD RATINGS

HAZARD RATINGS	HMIS	NFPA
Health	1	1
Flammability	0	0
Physical hazard	0	0