



MATERIAL SAFETY DATA SHEET — 16 Sections

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier 4005IC INSULATING LIGHTWEIGHT CONCRETE		[WHMIS Classification]	
Product Use THERMAL INSULATING BASE & BARRIER			
Manufacturer's Name Therm-O-Rock East, Inc.		Supplier's Name	
Street Address 1 Pine Street		Street Address	
City New Eagle	Province PA	City	Province
Postal Code 15067	Emergency Telephone 724-258-3670	Postal Code	Emergency Telephone
Date MSDS Prepared 1/7/11	MSDS Prepared By Stan R. Slawek	Phone Number 724-258-3670	

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
Cement, Portland (type I)	60-90	65997-15-1	No Data	No Data
Vermiculite	10-40	1318-00-9	No Data	No Data
Proprietary Additives	≤ 2		No Data	No Data

SECTION 3 — HAZARDS IDENTIFICATION

Route of Entry <input type="checkbox"/> Skin Contac <input type="checkbox"/> Skin Absorption <input type="checkbox"/> Eye Contact <input type="checkbox"/> Inhalation <input type="checkbox"/> Ingestion
Emergency Overview
WHMIS Symbols
Potential Health Effects 4005IC is a gray powder that has little or no immediate hazard. Long term exposure to wet Portland cement can cause serious skin and eye problems in the form of chemical caustic burns. Portland cement, vermiculite and additives are not listed as carcinogens by NTP, OSHA or IARC.

SECTION 4 — FIRST AID MEASURES

Skin Contact Wash skin with cool water and pH neutral soap.
Eye Contact Flush immediately with water for at least 15 minutes. Call physician immediately.
Inhalation Remove to fresh air. Seek medical help if coughing or other symptoms do not subside.
Ingestion Do not induce vomiting. If conscious, drink plenty of water and call a physician immediately.

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SECTION 5 — FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, under which conditions?	
Means of Extinction			
Flashpoint (°C) and Method None		Upper Flammable Limit (% by volume) None	Lower Flammable Limit (% by volume) None
Autoignition Temperature (°C) Not combustible		Explosion Data — Sensitivity to Impact N/A	Explosion Data — Sensitivity to Static Discharge N/A
Hazardous Combustion Products N/A			
NFPA			

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Dispose of waste according to local, state and federal regulations. Do not wash down drains.

SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment Wash thoroughly after exposure to dust or wet mixture.
Storage Requirements Keep dry until used.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits <input type="checkbox"/> ACGIH TLV <input type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (<i>specify</i>)
Specific Engineering Controls (such as ventilation, enclosed process)
Personal Protective Equipment <input checked="" type="checkbox"/> Gloves <input checked="" type="checkbox"/> Respirator <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Footwear <input type="checkbox"/> Clothing <input type="checkbox"/> Other
If checked, please specify type Wear impervious gloves to eliminate skin contact.
Use a NIOSH approved respirator in poorly ventilated areas.
Wear ANSI approved safety glasses with side shields or goggles.

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SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Powder	Odour and Appearance Gray Powder, No distinct odor	Odour Threshold (ppm) N/A
Specific Gravity 18-20 pcf	Vapour Density (air = 1) N/A	Vapour Pressure (mmHg) N/A
Evaporation Rate N/A	Boiling Point (° C) N/A	Freezing Point (° C) N/A
pH 12-13	Coefficient of Water/Oil Distribution N/A	[Solubility in Water] Slightly soluble (0.1-1%)

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Cement is alkaline. Incompatible with acids, ammonium salts and aluminum metal.
Reactivity and under what conditions? No dangerous reactions known.	
Hazardous Decomposition Products	

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure N/A	
Effects of chronic exposure Irritant to skin and mucous membrane. Eye irritation.	
Irritancy of Product	
Skin sensitization Possible through skin contact	Respiratory sensitization Possible irritant
Carcinogenicity-IARC N/A	Carcinogenicity - ACGIH N/A
Reproductive toxicity N/A	Teratogenicity N/A
Embrototoxicity N/A	Mutagenicity N/A
Name of synergistic products/effects N/A	

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