

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

Manufacturer's Name:	DriTherm International, Inc.	Telephone #	(973) 808-2255
Address:	339 Changebridge Road – Suite 1B Pine Brook, NJ 07058-9516	CAS #	1317-650-3
Product:	DriTherm (Modified Calcium Carbonate)		
Chemical Formula:	CaCO <sub>3</sub>		

## SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Materials Identification System		Category	Rating
		Health Hazard	1
		Flammability Hazard	0
		Reactivity Hazard	0
		Personal Protection	E

  

Ingredients	Percentage (w/w)	CAS Number	Exposure Limits
Calcium Carbonate	>95-98	1317-650-3	ACGIHTLV: Total Dust 10.0 mg./m <sup>3</sup> Respirable dust 5.0 mg / m <sup>3</sup> OSHAPEL: Total dust 15 mg/m <sup>3</sup> TWA Respirable dust 5.0 mg/m <sup>3</sup> TWA
Magnesium Carbonate		1-2	546-93-0
Silica, quartz	<0.2	1408-60-7	ACGIHTLV: 0.1 mg/m <sup>3</sup> respirable OSHAPEL: 0.1 mg/m <sup>3</sup> Respirable TWA

This product is surface treated with stearic acid (CAS#57-11-4)

## SECTION 3 - PHYSICAL AND CHEMICAL CHARACTERISTICS

Density (dry): 2.71 g/ml      Specific Gravity (wet): N/A      Reactivity in Water: NONE

Solubility in Water: NEGLIGIBLE      Appearance and Odor: WHITE POWDER

## SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point: NON-FLAMMABLE      Special Firefighting Procedures: NONE      Unusual Fire and Explosion Hazards: NONE

## SECTION 5 - REACTIVITY DATA

Stability: STABLE      Hazardous Decomposition Products: NONE      Hazardous Polymerization: WILL NOT OCCUR

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## SECTION 6 - TOXICOLOGICAL PROPERTIES AND HEALTH HAZARD DATA

### EFFECTS AND HAZARDS OF ACUTE OVEREXPOSURE

Effects and Hazards of Inhalation	Can be irritating to the respiratory tract. Symptoms include sneezing and slight nose irritation.
Effects and Hazards of Eye Contact	Mild irritation. Symptoms include watering and irritation.
Effects and Hazards of Skin Contact	No effect
Effects and Hazards of Ingestion	Ingestion of very large quantities may result in intestinal obstruction and/or constipation. Considered to be of very low toxicity.

### EFFECTS AND HAZARDS OF CHRONIC EXPOSURE

IARC found limited evidence for human carcinogenicity of the crystalline silica ingredient only. Limited evidence means a "casual" interpretation is credible, but alternative explanations such as chance, bias or confounding effects could not be adequately excluded. The DriTherm product typically contains less than 1% by weight of crystalline silica. At the present level of expertise of medical research, there is no direct evidence that crystalline silica at these levels in limestones constitutes a health risk.

## SECTION 7 - PREVENTATIVE MEASURES

HANDLING	If engineering controls and work practices are not effective in controlling exposure to the material, then wear suitable personal protective equipment including NIOSH or OSHA approved dust respirators.
STORAGE CONDITIONS	Store in closed containers in a dry place separate from incompatible materials.
SPILL & LEAK PROCEDURES	Respiratory protection should be worn by those in cleanup operation to protect from airborne dust. Measures should be taken to reduce airborne dust during cleanup operations.
DISPOSAL	Calcium carbonate is not a hazardous material under RCRA and may be disposed of as industrial waste.

## SECTION 8 - FIRST AID MEASURES

TREATMENT FOR INHALATION (Breathing)	Remove source of contamination or move victim to fresh air. Obtain medical advice if required.
TREATMENT FOR EYE CONTACT	Immediately flush the contaminated eye(s) with lukewarm gently flowing water, for 10 minutes, by the clock, holding the eyelid(s) open. If irritation persists, obtain medical advice immediately.
TREATMENT FOR SKIN CONTACT	If irritation occurs, flush area with lukewarm, gently running water for at least 10-minutes. If irritation persists, obtain medical advice immediately.
TREATMENT FOR INGESTION (Swallowing)	Never give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing. Rinse mouth thoroughly with water. DO NOT INDUCE VOMITING. Have victim drink 8 to 10 oz. (240 to 300 ml) of water to dilute material in stomach. Obtain medical advice immediately.

## SECTION 9 - PREPARATION DATE OF MSDS

Prepared by: J.S. Sandman  
Date: June 5, 2009

The information contained herein has been compiled by technically knowledgeable personnel from sources which DriTherm International, Inc. considers reliable. This information is accurate to the best of our knowledge. Before using this product the foregoing MSDS and the product label should be read carefully. The information contained herein relates only to the specific material indicated above and does not relate to use in combination with any other material or in any process. Customers are encouraged to conduct their own tests concerning the use of this product as the manner and conditions of use and handling may involve additional considerations. DriTherm International, Inc. assumes no responsibility for any damages, losses, injuries or consequential damages which may result from the use of misuse of this product and the recipient assumes all such risks.