

Material Safety Data Sheet

24 Hour Assistance:
1-847-367-7700
Rust-Oleum Corp.
www.rustoleum.com

Section 1 - Chemical Product / Company Information

Product Name: THERMAKRETE PART B 1/2 gal Revision Date: 03/20/2009
Identification Number: 233856
Product Use/Class: Part B / Thermakrete
Supplier: Rust-Oleum Corporation Manufacturer: Rust-Oleum Corporation
11 Hawthorn Parkway 11 Hawthorn Parkway
Vernon Hills, IL 60061 Vernon Hills, IL 60061
USA USA
Preparer: Regulatory Department

Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING
		Than				
Polymethylene Polyphenyl Isocyanate	9016-87-9	40.0	N.E.	N.E.	N.E.	N.E.
Diphenylmethane Diisocyanate	26447-40-5	30.0	N.E.	N.E.	N.E.	N.E.
4,4-Diphenylmethane Diisocyanate(MDI)	101-68-8	30.0	.005 ppm	N.E.	.02 ppm	.20 mg/m3
Butyl Benzyl Phthalate	85-68-7	10.0	5 mg/m3	N.E.	5 mg/m3	N.E.

Section 3 - Hazards Identification

*** Emergency Overview ***: Vapors and mist harmful. The over-exposure can damage the lungs can cause a skin and respiratory allergic reaction , the effects can be permanent. Individuals with lung or breathing problems or prior reaction to isocyanates must not be exposed to vapor or spray mist. Harmful if swallowed. Causes eye burns. Causes skin irritation. May cause allergic skin reaction.

Effects Of Overexposure - Eye Contact: Causes eye burns.

Effects Of Overexposure - Skin Contact: Contact causes skin irritation. May cause skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident on re-exposure to this material.

Effects Of Overexposure - Inhalation: MAY AGGRAVATE PRE-EXISTING LUNG CONDITIONS, E.G., ASTHMA-LIKE DISORDERS. High vapor concentrations are irritating to the eyes, nose, throat and lungs. May cause allergic respiratory reaction.

Effects Of Overexposure - Ingestion: Aspiration hazard if swallowed; can enter lungs and cause damage. Can burn mouth, throat and stomach.

Effects Of Overexposure - Chronic Hazards: High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis, and blurred vision) and/or damage. Individuals with lung or breathing problems or prior reaction to isocyanates must not be exposed to vapor or spray mist. Vapor and spray mist harmful. Overexposure may cause lung damage. May cause allergic skin and respiratory reaction, effects may be permanent.

Primary Route(s) Of Entry: Skin Contact, Inhalation, Ingestion, Eye Contact

Section 4 - First Aid Measures

First Aid - Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention.

First Aid - Skin Contact: Remove contaminated clothing. Wash skin with soap and water. Get medical attention.

First Aid - Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

First Aid - Ingestion: If swallowed, do not induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Section 5 - Fire Fighting Measures

Flash Point: 390 F
(Setaflash)

LOWER EXPLOSIVE LIMIT: N.A. %
UPPER EXPLOSIVE LIMIT : N.A. %

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam

Unusual Fire And Explosion Hazards: Combustion generates toxic fumes of carbon monoxide, carbon dioxide and other gases.

Special Firefighting Procedures: Evacuate area and fight fire from a safe distance.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Section 7 - Handling And Storage

Handling: Use with adequate ventilation. Wash thoroughly after handling. Avoid prolonged or repeated contact with skin.

Storage: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin Protection: Use impervious gloves to prevent skin contact and absorption of this material through the skin.

Nitrile or Neoprene gloves may afford adequate skin protection.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other protective equipment: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

Hygienic Practices: Remove contaminated clothing immediately and launder before reuse. Wash thoroughly with soap and water before eating, drinking or smoking.

Section 9 - Physical And Chemical Properties

Boiling Range:	208 - 464 F	Vapor Density:	Heavier than Air
Odor:	Aromatic	Odor Threshold:	N.E.
Appearance:	Liquid	Evaporation Rate:	Slower than Ether
Solubility in H ₂ O:	Slight		
Freeze Point:	ND	Specific Gravity:	1.228
Vapor Pressure:	N.D.	PH:	NE
Physical State:	Liquid		

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Avoid all possible sources of ignition.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

Hazardous Decomposition: When heated to decomposition, it emits acrid smoke and irritating fumes. By open flame, carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

Section 11 - Toxicological Information

Product LD50: ND

Product LC50: ND

Chemical Name

Polymethylene Polyphenyl Isocyanate
Diphenylmethane Diisocyanate
4,4-Diphenylmethane Diisocyanate(MDI)
Butyl Benzyl Phthalate

LD50

2330 mg/kg (Rat, Oral)

LC50

172-187 mg/m³rat4h
172-187mg/m³rat 4h
>6.7 mg/L (Rat, Inhalation, 4Hr)

Section 12 - Ecological Information

Ecological Information: Product is a mixture of listed components.

Section 13 - Disposal Information

Disposal Information: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

Section 14 - Transportation Information

DOT Proper Shipping Name:	Other Regulated Substance, Liquid, n.o.s.(contain	Packing Group:	---
DOT Technical Name:	Aromatic Isocyanate	Hazard Subclass:	---
DOT Hazard Class:	9	Resp. Guide Page:	171
DOT UN/NA Number:	NA30872		

Section 15 - Regulatory Information**CERCLA - SARA Hazard Category**

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

SARA Section 313:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name

4,4-Diphenylmethane Diisocyanate(MDI)

CAS Number

101-68-8

Toxic Substances Control Act:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12(B) if exported from the United States:

U.S. State Regulations: As follows -**New Jersey Right-to-Know:**

The following materials are non-hazardous, but are among the top five components in this product.

None

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%.

None

California Proposition 65:

This product contains no chemicals known by the State of California to cause cancer

WARNING! This product contains a chemical(s) known to the State of California to cause birth defects or other reproductive harm.

International Regulations: As follows -

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: D2A D2B

Section 16 - Other Information

HMIS Ratings:

Health: 2*

Flammability: 1

Reactivity: 0

Personal Protection: X

REASON FOR REVISION: Regulatory Update

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.