

Material Data Safety Sheet

July 2007

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Thorocrete® Light Duty Concrete Patch

CONSUMER PRODUCTS

1. Product and Company Information

Company: Thoro Consumer Products
BASF Construction Chemicals, LLC
23700 Chagrin Blvd.
Cleveland, Ohio 44122

Telephone: (216) 839-7171 or (866) 518-7171

Emergency telephone: (800) 424-9300
(703) 527-3887 (Outside continental U.S.)

Product name: Thorocrete® Light Duty Concrete Patch

2. Hazardous Ingredients

Chemical	CAS Number	TLV	STEL	PEL	CEIL	Weight %
Silica, quartz	14808-60-7	.1 mg/m ³	N.E.	.1 mg/m ³	N.E.	70.0 %
Portland cement	65997-15-1	10 mg/m ³	N.E.	15 mg/m ³	N.E.	25.0 %
Calcium sulfate	7778-18-9	10 mg/m ³	N.E.	5 mg/m ³	N.E.	5.0 %

3. Hazards Identification

HMIS® rating: Health 2 Flammability 0 Reactivity 1 Personal Protection E

WHMIS class: No information available.

Primary routes of entry: Skin contact
Inhalation
Ingestion
Eye contact

Effects of Overexposure

Eye contact: Severely irritating. If not removed promptly, will injure eye tissue, which may result in permanent damage.

Skin: May cause irritation.

Inhalation: May cause respiratory tract irritation.

Ingestion: Irritating to mouth, throat, and stomach.

Chronic Exposure: This product contains silicon dioxide (quartz) which has been listed as a human carcinogen by NTP and IARC. Repeated or prolonged overexposure to free silica may cause silicosis or other delayed and serious lung injury.



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Carcinogenicity

	ACGIH	IARC	NTP	OSHA
Alumina cement	N.E.	N.E.	N.E.	N.E.
Portland cement	N.E.	N.E.	N.E.	N.E.
Silica, crystalline quartz	Suspected human carcinogen	Human carcinogen	Known carcinogen	N.E.
Iron oxide	Not classifiable as human carcinogen	Classification not possible from current data	N.E.	N.E.
Calcium hydroxide	N.E.	N.E.	N.E.	N.E.
Limestone, calcium carbonate	N.E.	N.E.	N.E.	N.E.
Limestone	N.E.	N.E.	N.E.	N.E.
Anhydrite	N.E.	N.E.	N.E.	N.E.

4. First Aid Measures

- Eye contact:** Flush eye with water for 15 minutes. Get medical attention.
- Skin contact:** Remove contaminated clothing and shoes. Wash affected area(s) thoroughly with soap and water. If irritation persists, seek medical attention.
- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.
- 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. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomitus into the lungs.

5. Fire-Fighting Measures

- Flash point:** Not applicable **Autoignition temperature:** Not applicable.
- Lower explosion limit:** Not applicable **Suitable extinguishing media:** CO₂
Upper explosion limit: Not applicable. Dry chemical
 Water fog
- Fire and explosion hazards:** This product is alkaline and releases considerable heat on contact with small amounts of water. Avoid contact between resulting hot alkaline paste and metallic aluminum. Such contact could generate hydrogen gas.
- Special fire-fighting procedures:** As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

6. Accidental Release Measures

Methods for cleaning up: Vacuum or sweep up material and place in a disposable container. Ventilate area. Wear dust/mist mask or other appropriate protection. Flush spill with excess water to a chemical sewer or soak up with inert absorbent. Do not discharge to lakes, streams, ponds, or sewer.

7. Handling and Storage

- Handling:** Use only in a well-ventilated area. Keep out of reach of children. If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
- Storage:** Keep container closed when not in use.



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8. Exposure Controls / Personal Protection

- Engineering controls: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.
- Respiratory protection: Wear NIOSH/MSHA-approved respiratory protection when the product is mixed or applied in a poorly-ventilated area or if workplace levels of ingredients exceed the TLV. Follow applicable federal, state, and local regulation. Wear disposable dust mask.
- Eye protection: Wear as appropriate -
Safety goggles with a face shields
- Hand protection: Wear as appropriate -
Chemical-resistant gloves
- Body protection: Wear as appropriate -
Clean, protective clothing to cover arms and legs
- Hygienic practices: Do not take internally. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing.

9. Physical and Chemical Properties

Boiling point/range:	Not applicable	Vapor density:	Is heavier than air
Odor:	None	Odor threshold:	Not applicable
Appearance:	Gray powder	Evaporation rate:	Is slower than Butyl Acetate
Water solubility:	Slight (<0.1 %)	Specific gravity:	2.2000
Freeze point:	Not determined	pH (at 0 %):	Not applicable
Vapor pressure:	Not applicable	Viscosity:	Not determined
Physical state:	Solid		
Coefficient of water/oil distribution:	Not determined		

10. Stability and Reactivity

- Conditions to avoid: No information.
- Incompatibility: Avoid contact with oxidizing material. Contact with strong acids and bases.
- Hazardous decomposition products: No information.
- Hazardous polymerization: Will not occur under normal conditions.
- Stability: Stable under normal storage conditions.



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11. Toxicological Information

	Type	Value	Species	Exposure Time
Acute dermal toxicity				
Product	LD50 (Dermal)	No information		
Component				
Silica, quartz	LD50 (Dermal)	No information		
Portland cement	LD50 (Dermal)	No information		
Calcium sulfate	LD50 (Dermal)	No information		
Acute oral toxicity				
Product	LD50 (Oral)	No information		
Component				
Silica, quartz	LD50 (Oral)	No information		
Portland cement	LD50 (Oral)	No information		
Calcium sulfate	LD50 (Oral)	No information		
Acute inhalation toxicity				
Product	LC50	No information		
Component				
Silica, quartz	LD50	No information		
Portland cement	LD50	No information		
Calcium sulfate	LD50	No information		

12. Ecological Information

Ecological Information: No information.

13. Disposal Considerations

Recommendations: Review all local, state, and federal regulations concerning health and pollution for appropriate disposal procedures.

14. Transportation Information

DOT:	Proper shipping name	Not regulated
IATA:	Proper shipping name	Not regulated

15. Regulatory Information

OSHA

Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

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:

CHRONIC HEALTH HAZARD

IMMEDIATE HEALTH HAZARD

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SARA 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and the Reauthorization Act of 1986 and 40 CFR Part 372:

Weight %	CAS Number	Chemical Name
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No SARA Section 313 components exist in this product.

TSCA Section 12(b) Export Notification

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

CAS Number	Chemical Name
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None known.

California Proposition 65

The chemical(s) noted below and contained in this product are known to the state of California to cause cancer, birth defects or other reproductive harm:

CAS Number	Chemical Name
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14808-60-7

Silica, quartz

7439-92-1

Inorganic lead

7440-02-0

Nickel

7440-38-2

Arsenic

16. Other Information

Legend:

- N.E. - Not established
- TLV - Threshold limit value
- STEL - Short term exposure limit
- PEL - Permissible exposure limit
- CEIL - Ceiling

Prepared by: Regulatory Affairs

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End of MSDS.