

Material Data Safety Sheet

July 2007

page 1 of 5



CONSUMER PRODUCTS

Thorogrip® Anchoring Cement

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: Thorogrip® Anchoring Cement

2. Hazardous Ingredients

| Chemical | CAS Number | TLV | STEL | PEL | CEIL | Weight % |
|-------------------|------------|----------------------|------|----------------------|------|----------|
| Calcium hydroxide | 1305-62-0 | 2 mg/m ³ | N.E. | 5 mg/m ³ | N.E. | 5.0 % |
| Silica, quartz | 14808-60-7 | .1 mg/m ³ | N.E. | 5 mg/m ³ | N.E. | 60.0 % |
| Calcium carbonate | 471-34-1 | 10 mg/m ³ | N.E. | 15 mg/m ³ | N.E. | 5.0 % |
| Portland cement | 65997-15-1 | 10 mg/m ³ | N.E. | 15 mg/m ³ | N.E. | 20.0 % |
| Calcium aluminate | 65997-16-2 | 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

Inhalation: May cause respiratory tract irritation.

Skin: May cause irritation.



Thorogrip® Anchoring Cement

- Eyes:** Severely irritating. If not removed promptly, will injure eye tissue, which may result in permanent damage.
- 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.

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

5. Fire-Fighting Measures

- | | | | |
|------------------------|-----------------|-------------------------------|--|
| Flash point: | Not applicable | Autoignition temperature: | Not applicable. |
| Lower explosion limit: | Not applicable | Suitable extinguishing media: | Water fog CO ₂ Dry chemical Alcohol foam |
| Upper explosion limit: | Not applicable. | | |
- 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.



Thorogrip® Anchoring Cement

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.

8. Exposure Controls / Personal Protection

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

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.

Hygienic practices: Do not take internally. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing.

Engineering controls: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

9. Physical and Chemical Properties

| | | | |
|-------------------|----------------|---|-----------------|
| Color: | Dark gray | Physical state: | Solid, powder |
| Odor: | None | pH (at 0 %): | Not applicable |
| Odor threshold: | Not applicable | Vapor pressure: | Not applicable |
| Vapor density: | Not applicable | Boiling point/range: | Not applicable |
| Freeze point: | Not determined | Water solubility: | Slight (<0.1 %) |
| Specific gravity: | 2.7000 | Viscosity: | Not determined |
| Evaporation rate: | Not applicable | Partition coefficient: (n-octanol water) | Not determined |

VOC Concentration as applied
(less water and exempt solvents): 0 g/l



Thorogrip® Anchoring Cement

10. Stability and Reactivity

Stability: Stable under normal storage conditions.

Conditions to avoid: No information.

Materials to avoid: Strong acids and strong bases
Strong oxidizing agents

Hazardous decomposition products: No information.

Hazardous polymerization: Will not occur under normal conditions.

11. Toxicological Information

| | Type | Value | Species | Exposure Time |
|----------------------------------|---------------|-------------------|---------|---------------|
| Acute inhalation toxicity | | | | |
| Product | LC50 | No information | | |
| Components | LC50 | No information | | |
| Acute oral toxicity | | | | |
| Product | LD50 (Oral) | No information | | |
| Component | | | | |
| Calcium hydroxide | LD50 (Oral) | 7340 mg/kg | | |
| Silica, quartz | LD50 (Oral) | No information | | |
| Calcium carbonate | LD50 (Oral) | 6450 mg/kg | | |
| Portland cement | LD50 (Oral) | No information | | |
| Calcium aluminate | LD50 (Oral) | No information | | |
| Calcium sulfate | LD50 (Oral) | No information | | |
| Acute dermal toxicity | | | | |
| Product | LD50 (Dermal) | No data available | | |
| Components | LD50 (Dermal) | No data available | | |

12. Ecological Information

Ecotoxicological 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 |



Thorogrip® Anchoring Cement

15. Regulatory Information

SARA 311/312 (RTK)

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:

Immediate Health Hazard

Chronic Health Hazard

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 |
|----------|------------|---------------|
|----------|------------|---------------|

No SARA Section 313 components exist in this product.

CERCLA

CERCLA section 103(a) specifically requires the person in charge of a vessel or facility to report immediately to the National Response Center (NRC) a release of hazardous substances whose amount equals or exceeds the assigned RQ. The following hazardous substances are contained in this product:

| RQ | CAS Number | Chemical Name |
|----|------------|---------------|
|----|------------|---------------|

No CERCLA chemicals exist in this product above reportable concentrations.

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 |
|------------|---------------|
|------------|---------------|

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 |
|------------|-------------------|
| 14808-60-7 | Silica, quartz |
| 554-13-2 | Lithium carbonate |
| 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.