

Material Data Safety Sheet

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CONSUMER PRODUCTS

Thorobond®

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: Thorobond®

2. Hazardous Ingredients

Chemical	CAS Number	TLV	STEL	PEL	CEIL	Weight %
Ethylene glycol 2-(2-ethoxyethoxy)	107-21-1	N.E.	127 mg/m3*	N.E.	125 mg/m3	5.0 %
ethanol	111-90-0	N.E.	N.E.	N.E.	N.E.	5.0 %
dibutyl phthalate	84-74-2	5 mg/m3	N.E.	5 mg/m3	N.E.	5.0 %

* - Ceiling Value

3. Hazards Identification

HMIS® rating: Health 1 Flammability 1 Reactivity 0 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: Causes skin irritation. Allergic reactions are possible.

Eyes: Irritating, but will not permanently injure eye tissue.

Ingestion: Moderately toxic.

Chronic Exposure: May cause kidney damage. No known components of this product are listed as known or suspected carcinogens per NIOSH, NTP, IARC, or OSHA. Preexisting respiratory or skin condition(s) may be aggravated by exposure.

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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.
- Ingestion:** Get medical attention immediately. 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 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:** 212 F **Autoignition temperature:** Not determined.
- Lower explosion limit:** 1.2% **Suitable extinguishing media:** Alcohol foam
CO₂
Dry chemical
Water fog
- Upper explosion limit:** 23.5%
- Fire and explosion hazards:** Fire produces irritating or poisonous gas. Solid stream of water or foam may cause frothing.
- Special fire-fighting procedures:** Containers exposed to fire should be kept cool with water spray. Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

6. Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Ventilate the area. Evacuate unnecessary personnel. Large spills should be handled carefully. Put on respiratory protection and necessary personal protective equipment. Dike or impound spilled liquid. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Repeat sorbent/sweep cycle until the spill has dried up. Avoid runoff into storm sewers and ditches which lead to waterways.

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7. Handling and Storage

- Handling: Use only in a well-ventilated area. Keep out of reach of children.
- Storage: Keep away from heat, sparks and flame. Keep container closed when not in use.

8. Exposure Controls / Personal Protection

- Eye protection: Wear as appropriate -
Chemical 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 to keep exposure to a minimum.
- 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.
- Hygienic practices: Do not take internally. 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

- | | | | |
|--|----------------|-------------------|------------------------------|
| Boiling point/range: | 360 - 644 F | Vapor density: | Is heavier than air |
| Odor: | Sweet | Odor threshold: | Not determined |
| Appearance: | Opaque liquid | Evaporation rate: | Is slower than Butyl Acetate |
| Water solubility: | Insoluble | Specific gravity: | 1.0200 |
| Freeze point: | Not determined | pH (at 100 %): | 4 - 5 |
| Vapor pressure: | Not determined | Viscosity: | Not determined |
| Physical state: | Liquid | | |
| Coefficient of water/oil distribution: | Not determined | | |

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10. Stability and Reactivity

Conditions to avoid: Long term exposure to elevated temperatures.

Incompatibility: Avoid contact with oxidizing materials.

Hazardous decomposition products: Acrid fumes.

Hazardous polymerization: Will not occur under normal conditions.

Stability: Stable under normal storage conditions.

11. Toxicological Information

	Type	Value	Species	Exposure Time
Acute dermal toxicity				
Product	LD50 (Dermal)	No information		
Component				
Ethylene glycol	LD50 (Dermal)	9530 uL/kg		
2-(2-ethoxyethoxy) ethanol	LD50 (Dermal)	6000 mg/kg		
Dibutyl phthalate	LD50 (Dermal)	>20 mg/kg		
Acute oral toxicity				
Product	LD50 (Oral)	No information		
Component				
Ethylene glycol	LD50 (Oral)	4700 mg/kg		
2-(2-ethoxyethoxy) ethanol	LD50 (Oral)	5540 mg/kg		
Dibutyl phthalate	LD50 (Oral)	8 g/kg		
Acute inhalation toxicity				
Product	LC50	No information		
Component				
Ethylene glycol	LD50	10876 mg/kg		
2-(2-ethoxyethoxy) ethanol	LD50	>5240 mg/m ³ /4H		
Dibutyl phthalate	LD50	4250 mg/kg		

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.

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14. Transportation Information

FOR SHIPMENTS IN CONTAINERS LESS THAN THAT 41 GALLONS: Not Regulated

DOT PROPER SHIPPING NAME: Environmentally Hazardous Substance, liquid, n. o. s . , RQ

DOT TECHNICAL NAME: Contains Dibutyl Phthalate

DOT HAZARD CLASS: ENVIRONMENTALLY HAZARDOUS SUBSTANCE HAZARD SUBCLASS: N.A.,

DOT UN/NA NUMBER: UN3082 PACKING GROUP: III RESP. GUIDE PAGE:

DOT PLACARD AT: 1001 lbs.

DOT CLASS NUMBER: 9

UN PROPER SHIPPING NAME: Not Regulated

UN HAZARD CLASS: N.A.

UN CLASS NUMBER: AIR N.A. MARINE N.A

HAZARD SUBCLASS: AIR N.A. MARINE N.A.

UN UN/NA NUMBER: N.A. UN PACKING GROUP: AIR N.A. MARINE N.A.

UN PLACARD AT: N.A.

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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:

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 Reauthorization Act of 1986 and 40 CFR Part 372:

Chemical Name	CAS Number	Weight % Is Less Than
ethylene glycol	107-21-1	5.0 %
2 -(2 -ethoxyethoxy) ethanol	111-90-0	5.0 %
dibutyl phthalate	84-74-2	5.0 %

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:

Chemical Name	CAS Number	Weight % Is Less Than
dibutyl phthalate	84-74-2	5.0 %

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:

Chemical Name	CAS Number	Weight % Is Less Than
Acetaldehyde	75-07-0	
ethylene oxide	75-21-8	

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.