

DYMONIC LIMESTONEVersion 2.
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SECTION 1 - PRODUCT IDENTIFICATION

Trade name : DYMONIC LIMESTONE
 Product code : 955805 323

COMPANY : Tremco Incorporated
 3735 Green Road
 Cleveland, OH 44122

Telephone : (216) 292-5000 8:30 - 5:00 EST
 Emergency Phone: : (216) 765-6727 8:30 - 5:00 EST
 After Hours: Chemtrec 1-800-424-9300

SECTION 2 - HAZARDS IDENTIFICATION**Emergency Overview**

Light Gray. Paste. Vapor may irritate respiratory tract. May cause nausea, headaches, and dizziness. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Acute Potential Health Effects/ Routes of Entry

Inhalation : Vapor may irritate respiratory tract. May cause nausea, headaches, and dizziness.
 Eyes : Direct contact may cause mild irritation. May cause temporary injury.
 Ingestion : May cause gastrointestinal irritation, nausea, and vomiting.
 Skin : May cause sensitization resulting in irritation, itching and redness.

Aggravated Medical Conditions

Pre-existing eye, skin, liver, kidney, and respiratory disorders may be aggravated by exposure.

Chronic Health Effects

Inhalation of crystalline silica (quartz) can cause cancer based on animal data, and IARC concludes sufficient evidence in humans (Group 1). Prolonged and repeated overexposure to free crystalline silica dust above the TLV level may cause scarring of the lungs with cough and shortness of breath. A delayed lung injury, silicosis may result from breathing free silica. Prolonged or repeated exposure may cause defatting, drying, and irritation of the skin, dermatitis, central nervous system (CNS) effects, heart muscle sensitization and arrhythmia, hearing loss, and brain, liver, kidney, and testes damage. Toluene overexposure may cause burns of the skin, respiratory tract damage. May be harmful to the human fetus based on animal tests and limited epidemiology data. Fillers are encapsulated and not expected to be released from product under normal conditions of use. Prolonged or repeated exposure to mineral spirits (petroleum naphtha or stoddard solvent) may cause defatting, drying, and irritation of the skin, dermatitis, central nervous system (CNS) effects, and adverse liver, kidney, and lung effects.

Target Organs: Skin, Eye, Ingestion, Lung

SECTION 3 - PRODUCT COMPOSITION

Chemical Name	CAS-No.	Weight %
Polyurethane Polymer	NJ TSRN# 51721300-5000P	30.0 - 60.0
Calcium Carbonate (Limestone)	1317-65-3	10.0 - 30.0
Calcium salt	7778-18-9	10.0 - 30.0
Dipropylene glycol dibenzoate	27138-31-4	7.0 - 13.0
Castor oil derivative/modified castor oil	NJ TSRN# 51721300-5008P	5.0 - 10.0

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Calcined clay	66402-68-4	3.0 - 7.0
Petroleum distillates	64742-47-8	1.0 - 5.0
Titanium dioxide	13463-67-7	1.0 - 5.0
Toluene	108-88-3	1.0 - 5.0
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	- <1.0
Toluene-2,6-Diisocyanate	91-08-7	- <0.1
2,4-Toluene diisocyanate	584-84-9	- <0.1

SECTION 4 - FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Inhalation	:	Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
Eye contact	:	Flush with water for 15 minutes. If irritation persists, get medical attention.
Skin contact	:	Wash area of contact thoroughly with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
Ingestion	:	Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

SECTION 5 - FIRE FIGHTING MEASURES

Flash point	:	Not available.
Method	:	Not available.
Burning rate	:	Non-flammable solid
Lower explosion limit	:	Not available.
Upper explosion limit	:	Not available.
Autoignition temperature	:	Not available.
Extinguishing media	:	If water fog is ineffective, use carbon dioxide, dry chemical or foam.
Hazardous combustion products	:	Smoke, fumes. Carbon monoxide and carbon dioxide can form.
Protective equipment for firefighters	:	Water may be used to cool containers to minimize pressure build-up. Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).
Fire and explosion conditions	:	Closed container, may burst when exposed to extreme heat. Empty containers may contain ignitable vapors. Vapor concentrations in enclosed areas may ignite explosively. Vapors may travel to sources of ignition and flashback.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment. Avoid contact with material. Remove sources of ignition immediately. Stop flow of material if safe to do so. Contain spill and keep out of water courses. Ventilate area.

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SECTION 7 - HANDLING AND STORAGE

Store under dry warehouse conditions away from heat and all ignition sources. Store in a cool, well ventilated area. Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Do not smoke, weld, generate sparks, or use flame near container. Change soiled work clothes frequently. Clean hands thoroughly after handling.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**Personal protection equipment**

- Respiratory protection : Wear appropriate, properly fitted NIOSH/MSHA approved organic vapor or supplied air respirator when airborne contaminant level(s) are expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use.
- Hand protection : Use suitable impervious nitrile or neoprene gloves and protective apparel to reduce exposure.
- Eye protection : Chemical splash goggles.
- Protective measures : Use professional judgment in the selection, care, and use.
- Engineering measures : Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use general ventilation and/ or local exhaust to reduce the airborne contaminant concentration below the exposure limit listed in the MSDS

Exposure Limits

Chemical Name	CAS Number	Regulation	Limit	Form
Calcium Carbonate (Limestone)	1317-65-3	OSHA PEL: OSHA PEL: ACGIH TWA: ACGIH TWA: OSHA TWA: OSHA TWA:	5 mg/m3 15 mg/m3 3 mg/m3 10 mg/m3 15 mg/m3 5 mg/m3	Respirable fraction. Total dust. Respirable particles. Inhalable particles. Total dust. Respirable fraction.
Calcium salt	7778-18-9	ACGIH TWA: OSHA PEL: OSHA PEL: OSHA TWA: OSHA TWA: ACGIH TWA:	10 mg/m3 5 mg/m3 15 mg/m3 15 mg/m3 5 mg/m3 10 mg/m3	Respirable fraction. Total dust. Total dust. Respirable fraction. Inhalable fraction.
Petroleum distillates	64742-47-8	ACGIH TWA: ACGIH TWA:	200 mg/m3 200 mg/m3	Non-aerosols total hydrocarbon vapor Non-aerosols total hydrocarbon vapor
Titanium dioxide	13463-67-7	ACGIH TWA: OSHA PEL: OSHA TWA: OSHA TWA:	10 mg/m3 15 mg/m3 15 mg/m3 5 mg/m3	Total dust. Total dust. Respirable fraction.

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<u>Chemical Name</u>	<u>CAS Number</u>	<u>Regulation</u>	<u>Limit</u>	<u>Form</u>
Toluene	108-88-3	ACGIH TWA: OSHA TWA:	20 ppm 200 ppm	
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	OSHA TWA: OSHA TWA: OSHA PEL: OSHA PEL: ACGIH TWA:	0.1 mg/m3 0.3 mg/m3 15 mg/m3 5 mg/m3 0.025 mg/m3	Respirable. Total dust. Total dust. Respirable fraction. Respirable fraction.
Toluene-2,6-Diisocyanate	91-08-7	ACGIH TWA: ACGIH STEL:	0.005 ppm 0.02 ppm	
2,4-Toluene diisocyanate	584-84-9	ACGIH TWA: ACGIH STEL:	0.005 ppm 0.02 ppm	

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form	: Paste
Color	: Light Gray
Odor	: Slight Ester
pH	: Not available.
Vapour pressure	: Not available.
Vapor density	: Heavier than air
Melting point/range	: Not available.
Freezing point	: Not available.
Boiling point/range	: Not available.
Water solubility	: Negligible
Specific Gravity	: 1.285
% Volatile Weight	: 4 %

SECTION 10 - REACTIVITY / STABILITY

Substances to avoid	: Epoxy curing agents.Amines and oxidizing agents.
Stability	: Material is stable under normal storage, handling, and use.
Hazardous polymerization	: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Toluene, CAS-No.: 108-88-3	
Acute oral toxicity (LD-50 oral)	2,600 - 7,500 mg/kg (Rat) 5,000 mg/kg (Rat)
Acute inhalation toxicity (LC-50)	26,700 mg/l for 1 h (Rat) 400 mg/l for 24 h (Mouse) 5,320 mg/l for 8 h (Mouse)
Acute dermal toxicity (LD-50 dermal)	12,124 mg/kg (Rabbit)



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2,4-Toluene diisocyanate, CAS-No.: 584-84-9

Acute oral toxicity (LD-50 oral)

5,800 mg/kg (Rat)

Acute inhalation toxicity (LC-50)

14 mg/l for 4 h (Rat) 10 mg/l for 4 h (Mouse) 13 mg/l for 4 h (Guinea pig) 11 mg/l for 4 h (Rabbit)

SECTION 12 - ECOLOGICAL INFORMATION

No Data Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Method : Recycle or dispose of in compliance with local, provincial and federal regulations.

SECTION 14 - TRANSPORTATION / SHIPPING DATA

TDG / DOT Shipping Description:

NOT REGULATED

SECTION 15 - REGULATORY INFORMATION

North American Inventories:

All components are listed or exempt from the TSCA inventory.

This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

U.S. Federal Regulations:

SARA 313 Components : Toluene 108-88-3

SARA 311/312 Hazards : Acute Health Hazard
Chronic Health Hazard

OSHA Hazardous Components :

Calcium Carbonate (Limestone)	1317-65-3
Calcium salt	7778-18-9
Petroleum distillates	64742-47-8
Titanium dioxide	13463-67-7
Toluene	108-88-3
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
Toluene-2,6-Diisocyanate	91-08-7
2,4-Toluene diisocyanate	584-84-9

OSHA Status: Considered : Irritant
hazardous based on the Sensitizer
following criteria: Carcinogen

OSHA Flammability : Not Regulated

Regulatory VOC (less water and : 57 g/l
exempt solvent)

VOC Method 310 : 2 %

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Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen:

Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

U.S. State Regulations:

- MASS RTK Components : Calcium Carbonate (Limestone) 1317-65-3
 Calcium salt 7778-18-9
 Petroleum distillates 64742-47-8
 Titanium dioxide 13463-67-7
 Toluene 108-88-3
 Crystalline Silica (Quartz)/ Silica Sand 14808-60-7
 Toluene-2,6-Diisocyanate 91-08-7
 2,4-Toluene diisocyanate 584-84-9

- Penn RTK Components : Polyurethane Polymer NJ TSRN# 51721300-5000P
 Calcium Carbonate (Limestone) 1317-65-3
 Calcium salt 7778-18-9
 Dipropylene glycol dibenzoate 27138-31-4
 Castor oil derivative/modified castor oil NJ TSRN# 51721300-5008P
 Calcined clay 66402-68-4
 Petroleum distillates 64742-47-8
 Titanium dioxide 13463-67-7
 Toluene 108-88-3

- NJ RTK Components : Polyurethane Polymer NJ TSRN# 51721300-5000P
 Calcium Carbonate (Limestone) 1317-65-3
 Calcium salt 7778-18-9
 Dipropylene glycol dibenzoate 27138-31-4
 Castor oil derivative/modified castor oil NJ TSRN# 51721300-5008P
 Petroleum distillates 64742-47-8
 Titanium dioxide 13463-67-7
 Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm:

- 108-88-3 Toluene
- 26761-40-0 Diisodecyl phthalate
- 14808-60-7 Crystalline Silica (Quartz)/ Silica Sand
- 68515-49-1 Diisodecyl phthalate (mixed Is)
- 1333-86-4 Carbon Black
- 71-43-2 Benzene

SECTION 16 - OTHER INFORMATION

HMIS Rating :

Health	2
Flammability	1
Reactivity	1
PPE	

- 0 = Minimum
- 1 = Slight
- 2 = Moderate
- 3 = Serious
- 4 = Severe



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Further information:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

Prepared by: Rich Mikol

Legend

ACGIH - American Conference of Governmental Hygienists
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
DOT - Department of Transportation
DSL - Domestic Substance List
EPA - Environmental Protection Agency
HMIS - Hazardous Materials Information System
IARC - International Agency for Research on Cancer
MSHA - Mine Safety Health Administration
NDSL - Non-Domestic Substance List
NIOSH - National Institute for Occupational Safety and Health
NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit
RCRA - Resource Conservation and Recovery Act
RTK - Right To Know
SARA - Superfund Amendments and Reauthorization Act
STEL - Short Term Exposure Limit
TLV - Threshold Limit Value
TSCA - Toxic Substances Control Act
TWA - Time Weighted Average
V - Volume
VOC - Volatile Organic Compound
WHMIS - Workplace Hazardous Materials Information System