



since 1895

Material Safety Data Sheet

NFPA	WHMIS	PPE	Transport Symbol
			DOT Not Regulated

Preparation Date 12-Dec-2006

Revision Date 12-Apr-2007

Revision Number 3

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Concretite®
Product Code 1640
UN-No Not available

Contact Manufacturer
The Garland Company, Inc.
3800 East 91st. Street
Cleveland, Ohio 44105-2197
Ph: (800) 762-8225 Fax: (216) 641-0633

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1296 Martin Grove Rd.
Toronto, Ontario M9W 4X3
Ph: (416)747-7995 Fax: (416)747-1980

Emergency Telephone Number 1-800-762-8225 (24 Hrs.)

2. HAZARDS IDENTIFICATION

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance White.

Physical State Liquid.

Odor Slight.

Mexico - Grade Slight risk, Grade 1

Potential Health Effects

Principle Routes of Exposure Eye contact, Skin contact.

Acute Effects

Eyes May cause slight irritation.
Skin Substance may cause slight skin irritation.
Inhalation May cause irritation of respiratory tract.
Ingestion Ingestion may cause irritation to mucous membranes.

Chronic Effects Repeated contact may cause allergic reactions in very susceptible persons.

See Section 11 for additional Toxicological information.

Aggravated Medical Conditions Not available.

Interactions with Other Chemicals Not available.

Potential Environmental Effects See Section 12 for additional Ecological information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

Chemical Name	CAS-No	Weight %	North American Hazard Indicator
Calcium Carbonate	1317-65-3	10 - 30	1
Zinc Oxide	1314-13-2	1 - 5	1

4. FIRST AID MEASURES

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

Skin Contact Wash off with warm water and soap.

Inhalation Move to fresh air.

Ingestion Drink 1 or 2 glasses of water. Do not induce vomiting. Consult a physician. Never give anything by mouth to an unconscious person.

Notes to Physician Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not available

Hazardous Combustion Products Not available

Explosion Data

Sensitivity to mechanical impact No

Sensitivity to static discharge No

Specific Hazards Arising from the Chemical

No information available.

Protective Equipment and Precautions for Firefighters

Standard procedure for chemical fires.

NFPA**Health 1****Flammability 0****Instability 0**

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Keep out of waterways.
Methods for Containment	Dike with inert absorbant material
Methods for Cleaning Up	Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.
Other Information	Not applicable

7. HANDLING AND STORAGE

Handling	Wear personal protective equipment. Avoid contact with skin and eyes.
Storage	Keep container tightly closed in a dry and well-ventilated place. Keep at temperatures above 0°C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	Ontario TWAEV	Mexico
Calcium Carbonate		TWA: 15 mg/m ³ TWA: 5 mg/m ³	TWA: 10 mg/m ³	STEL: 20 mg/m ³ TWA: 10 mg/m ³
Zinc Oxide	TWA: 2 mg/m ³ STEL: 10 mg/m ³	TWA: 15 mg/m ³ TWA: 5 mg/m ³	STEL: 10 mg/m ³ TWA: 2 mg/m ³	STEL: 10 mg/m ³ TWA: 5 mg/m ³ TWA: 10 mg/m ³

Chemical Name	NIOSH IDLH
Zinc Oxide	500 mg/m ³

Engineering Measures	Do not allow ventilation equipment to draw material odors indoors.
Personal Protective Equipment	
Eye/face Protection	Tightly fitting safety goggles.
Skin Protection	Long sleeved clothing.
Respiratory Protection	No special protective equipment required. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
Hygiene Measures	General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White
Odor	Slight
Physical State	Liquid

9. PHYSICAL AND CHEMICAL PROPERTIES

pH	Not available	
Flash Point	Not available	
Autoignition Temperature	Not available	
Boiling Point/Range	365-475°F	
Freezing Point	32°F / 0°C	
Flammability Limits in Air	Lower Not available	Upper Not available
Explosive Properties	Not available	
Oxidizing Properties	Not available	
Evaporation Rate	slower than ether	
Vapor Pressure	Not available	
Vapor Density	Heavier than air	
Specific Gravity	Not available	
Density	12.2 LBS./GAL. (U.S.)	
Water Solubility	Soluble in water	
Volatiles	60.2%	
VOC Content	N/A	

10. STABILITY AND REACTIVITY

Stability	Stable.
Conditions to Avoid	Temperatures above 0°C.
Incompatible Materials	No materials to be especially mentioned.
Hazardous Decomposition Products	None under normal use.
Possibility of Hazardous Reactions	None under normal processing

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Zinc Oxide	5000 mg/kg Rat		

Chronic Toxicity

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen

12. ECOLOGICAL INFORMATION

Ecotoxicity

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants

Persistence/Degradability	Not available
Bioaccumulation/ Accumulation	Not available
Mobility in Environmental Media	Not available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method	Dispose of in accordance with local regulations
Contaminated Packaging	Empty containers should be taken for local recycling, recovery or waste disposal
US EPA Waste Number	Not available

14. TRANSPORT INFORMATION

DOT	Not Regulated
TDG	Not regulated
MEX	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	CHINA	KECL	PICCS	AICS
Calcium Carbonate	X	-	X	X	-	-	X	X	X	X
Zinc Oxide	X	X	-	X	-	X	X	X	X	X

TSCA	Does not Comply
DSL	Does not Comply
NDSL	Does not Comply
EINECS	Does not Comply
ELINCS	Does not Comply
ENCS	Does not Comply
CHINA	Does not Comply
KECL	Does not Comply
PICCS	Does not Comply
AICS	Does not Comply

USA

Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and and Title 40n of the Code of Federal Regulations, Part 372.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any HAPs.

State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

State Right-to-Know

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Calcium Carbonate	X		X		X
Zinc Oxide	X	X	X		X

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

16. OTHER INFORMATION

Preparation Date	12-Dec-2006
Revision Date	12-Apr-2007
Revision Summary	Not available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS