



Gar-Rock

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision Date: 05/13/2015

Date of Issue: 06/22/15

Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Powder

Product Name: Gar-Rock

Product Code: 1650

Intended Use of the Product

All weather, fast-setting, concrete patch material. For professional use only.

Name, Address, and Telephone of the Responsible Party

Manufacturer

The Garland Company, Inc.
3800 East 91st Street
Cleveland, Ohio 44105-2197
T-800-762-8225
F-216-641-0633
www.garlandco.com

Supplier

The Garland Company, Inc.
3800 East 91st Street
Cleveland, Ohio 44105-2197
T-800-762-8225
F-216-641-0633

The Garland Company, Inc.
209 Carrier Drive
Toronto, Ontario M9W 5Y8
T-416-747-7995 800-387-5991
F-416-747-1980

Emergency Telephone Number

Emergency Number: 1-800-262-8200 (CHEMTREC)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

STOT RE 1	H372
Carc. 1	H350
Repr. 1B	H361

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)

:



Signal Word (GHS-US)

: Danger

Hazard Statements (GHS-US)

: H350-May cause cancer.
H361-Suspected of damaging fertility or the unborn child.
H372-Causes damage to organs (Lung) through prolonged or repeated exposure (inhalation).

Precautionary Statements (GHS-US)

: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust/gas/mist/vapours
P264 - Wash with plenty of water and soap thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P308+311 - IF exposed or concerned: Call a POISON CENTER or doctor/physician.
P308+313 - IF exposed or concerned: Get medical advice/attention.
P314 - Get medical advice/attention if you feel unwell.
P405 - Store locked up.
P501 - Dispose of contents/container to an approved waste disposal plant.

Other Hazards

Other Hazards Not Contributing to the Classification: Not available

Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not available

Gar-Rock

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Revision Date: 05/13/2015

Date of issue: 06/22/2015

Mixture

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Silica	(CAS No) 14808-60-7	50-75	Carc. 1A, H350 STOT RE 1, H372
Magnesium Oxide	(CAS) 1309-48-4	10-15	Not a hazardous substance or mixture
Boric Acid	(CAS) 10043-35-3	1-5	Repr. 1B, H361

Full text of H-Phrases: See Section 16

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

First-aid Measures General: First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing.

First-aid Measures After Inhalation: After inhalation of dust. Keep patient calm, remove to fresh air, seek medical attention.

First-aid Measures After Skin Contact: After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

First-aid Measures After Eye Contact: Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

First-aid Measures After Ingestion: Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Hazards: No applicable information available.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Foam, water spray, dry powder, carbon dioxide

Unsuitable Extinguishing Media: Water jet.

Special Hazards Arising From the Substance or Mixture

Carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

Advice for Firefighters

Wear a self-contained breathing apparatus.

Further Information

The degree of risk is governed by the burning substance and the fire conditions. If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not breathe dust. Wear eye/face protection. Use personal protective clothing. Handle in accordance with good building materials hygiene and safety practice.

Environmental Precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater

Methods and Material for Containment and Cleaning Up

For small amounts: Pick up with suitable appliance and dispose of. Dispose of contaminated material as prescribed. For large amounts: Pick up with suitable appliance and dispose of. Dispose of absorbed material in accordance with regulations. Avoid raising dust.

Reference to Other Sections

See Heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

Gar-Rock

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Revision Date: 05/13/2015

Date of issue: 06/22/2015

Precautions for Safe Handling

Avoid dust formation. Wear suitable protective clothing and eye/face protection. Avoid inhalation of dusts/mists/vapours. Breathing must be protected when large quantities are decanted without local exhaust ventilation. Protection against fire and explosion: Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy. Keep away from sources of ignition - No smoking. Dust can form an explosive mixture with air.

Conditions for Safe Storage, Including Any Incompatibilities

No applicable information available. Suitable materials for containers: High density polyethylene (HDPE) Further information on storage conditions: Keep only in the original container in a cool, dry, well ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.

Specific End Use(s)

For professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV	OSHA PEL	Ontario TWAEV	Mexico
Magnesium Oxide	TWA: 10 mg/m ³	TWA: 15 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³
Quartz (Crystalline Silica)	TWA: 0.025 mg/m ³		TWA: 0.10 mg/m ³	TWA: 0.1 mg/m ³

Chemical Name	NIOSH IDLH
Magnesium Oxide	750 mg/m ³
Quartz (Crystalline Silica)	50 mg/m ³

Exposure Controls

Appropriate Engineering Controls: Do not allow ventilation equipment to draw material odors indoors.

IDLH: Immediately Dangerous to Life or Health

Personal Protective Equipment: Gloves. Protective goggles.



IDLH: Immediately Dangerous to Life or Health

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face Protection

Safety glasses with side-shields.

Skin Protection

Impervious gloves.

Respiratory Protection

In case of insufficient ventilation wear suitable respiratory equipment.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	: Powder
Appearance	: Off-white
Odor	: Odorless
Odor Threshold	: Not available
pH	: Not available
Relative Evaporation Rate (butyl acetate = 1)	: Not available
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: Not available
Flash Point	: Not available
Auto-ignition Temperature	: Not available

Gar-Rock

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Revision Date: 05/13/2015

Date of issue: 06/22/2015

Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 68°F (20°C)	: Not available
Relative Density	: 102 ± 5 lb/ft ³ (1.63 ! 0.08 g/cm ³)
Specific Gravity	: >1.0
Solubility	: Slightly soluble
Partition coefficient: n-octanol/water	: Not available
Viscosity (Brookfield RV6, 20 RPM, 75°F)	: Not available
Explosion Data – Sensitivity to Mechanical Impact	: Not available
Explosion Data – Sensitivity to Static Discharge	: Not available
Volatile Organic Compounds	: 0 g/L

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Hazardous reactions will not occur under normal conditions.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur.

Conditions to Avoid: Avoid dust formation

Incompatible Materials: Incompatible with oxidizing agents. Acids.

Hazardous Decomposition Products: No information available

SECTION 11: TOXICOLOGICAL INFORMATION

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Based on available Data, the classification criteria are not met.

Oral No applicable information available.

Inhalation No applicable information available.

Dermal No applicable information available.

Assessment other acute effects No applicable information available.

Irritation / corrosion Assessment of irritating effects: Not irritating to eyes and skin.

Sensitization Assessment of sensitization: Based on available Data, the classification criteria are not met.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Fly Ash	2000 mg/kg Rat		
Quartz (Crystalline Silica)	500 mg/kg Rat		

Chronic Toxicity/Effects

Repeated dose toxicity Assessment of repeated dose toxicity: This product contains crystalline silica (quartz). Prolonged or repeated inhalation of respirable crystalline silica may result in silicosis.

Genetic toxicity Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Carcinogenicity Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Reproductive toxicity Assessment of reproduction toxicity: Causes impairment of fertility in laboratory animals.

Teratogenicity Assessment of teratogenicity: May cause harm to the unborn child.

Other Information Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

Gar-Rock

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Revision Date: 05/13/2015

Date of issue: 06/22/2015

Chemical Name	ACGIH	IARC	NTP	OSHA	Mexico
Quartz (Crystalline Silica)	A2	Group 1	Known	X	

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

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

Persistence and Degradability

Not available

Bioaccumulative Potential

Not available

Mobility in Soil

Not available

Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with local, state, and federal regulations

Contaminated Packaging Clean container with water.

US EPA Waste Number Not available

SECTION 14: TRANSPORT INFORMATION

DOT Not Regulated

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

SECTION 15: REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	CHINA	KECL	PICCS	AICS
Magnesium Oxide	X	X	-	X	-	X	X	X	X	X
Fly Ash	X	X	-	X	-	-	X	X	X	X
Quartz (Crystalline Silica)	X	X	-	X	-	X	X	X	X	X
Boric acid	-	-	-	-	-	-	-	-	-	-

TSCA Complies

DSL Complies

NDSL Complies

EINECS Complies

ELINCS Complies

Gar-Rock

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Revision Date: 05/13/2015

Date of issue: 06/22/2015

ENCS	Complies
CHINA	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

USA

Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act 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 contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	Category	Type
Quartz (Crystalline Silica)	14808-60-7	Carcinogen	

State Right-to-Know

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Magnesium Oxide	X	X	X		X
Quartz (Crystalline Silica)	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

D2A Very toxic materials

Canadian Regulations



WHMIS Hazard Class

D2A Very toxic materials

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

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision date : 06/22/2015

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Gar-Rock

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Revision Date: 05/13/2015

Date of issue: 06/22/2015

Party Responsible for the Preparation of This Document

The Garland Company, Inc.

3800 East 91st Street

Cleveland, Ohio 44105-2197

T-800-762-8225

This information is based on our knowledge as of the Revision Date and is intended to describe the product only for the purposes of health, safety, and environmental requirements as of the Revision Date. It should not therefore be construed as guaranteeing any specific property of the product nor as providing any warranty, expressed or implied. The user assumes all responsibility, liability, risk of loss, damage, or expense arising out of, or in any way connected with, the handling, storage, use, or disposal of the product.

North America GHS US 2015 & WHMIS