

Ultra-Shield Masonry Sealer

Safety Data Sheet

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

Revision Date: 10/13/2015 Date of Issue: 10/13/2015

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: Ultra-Shield Masonry Sealer

Product Code: ?

Intended Use of the Product

Solvent-based, silicone solution designed to damp-proof above grade masonry surfaces.

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)

Flam. Liq. 3	H226
Asp. Haz. 1	H304
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Acute Tox. Inh. 4	H332
STOT SE 3	H335
Germ. Cell Mut. 1	H340
Carc. 1B	H350
Carc. 2	H351
Tox. Aqua. Life 2	H401
Tox. Aqua. Life Long Lasting 2	H411

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Danger

Hazard Statements (GHS-US)

: H226-Flammable liquid and vapour
 H304 – May be fatal if swallowed and enters airways.
 H315 – Causes skin irritation.
 H319 – Causes serious eye irritation.
 H332-Harmful if inhaled.
 H335-May cause respiratory irritation.
 H340-May cause genetic defects by route of exposure if conclusively proven that no other route applies.
 H350 – May cause cancer.

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H351-Suspected of causing cancer by route of exposure if conclusively proven that no other route applies.

H401-Toxic to aquatic life.

H411-Toxic to aquatic life with long lasting effects.

Precautionary Statements (GHS-US)

- : P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P210 - Keep away from heat/sparks/open flames/hot surfaces. - no smoking.
 P233 - Keep container tightly closed.
 P240 - Ground/bond container and receiving equipment.
 P241 - Use explosion-proof electrical/ventilating/lighting/ equipment.
 P242 - Use only non-sparking tools.
 P243 - Take precautionary measures against static discharge.
 P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264 - Wash face, hands and any exposed skin thoroughly after handling.
 P271 - Use only outdoors or in a well-ventilated area.
 P273 - Avoid release to the environment.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P281 - Use personal protective equipment as required.
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
 P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
 P308 + P313 - IF exposed or concerned: Get medical advice/attention.
 P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
 P331 - Do NOT induce vomiting.
 P332 + P313 - If skin irritation occurs: Get medical advice/attention.
 P337 + P313 - If eye irritation persists: Get medical advice/attention.
 P362 - Take off contaminated clothing and wash before reuse.
 P370 + P378 - In case of fire: Use for extinction.
 P391 - Collect spillage.
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
 P403 + P235 - Store in a well-ventilated place. Keep cool.
 P405 - Store locked up.
 P501 - Dispose of contents/container to an approved waste disposal plant.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not available

Mixture

Name	Product identifier	% (w/w)	Classification (GHS-US)
1,3,5-Trimethylbenzene	(CAS No) 108-67-8	1-5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Pseudocumene	(CAS No) 95-63-6	1-5	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation: Vapor), H332

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			Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Carc. 2, H351 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Ethylbenzene	(CAS No) 100-41-4	1-5	
Stoddard Solvent	(CAS No) 8052-41-3	80-90	Flam. Liq. 3, H226 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304

Full text of H-Phrases: See Section 16

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

First-aid Measures General: Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. Remove from exposure, lie down.

First-aid Measures After Inhalation: Move to fresh air. Call a physician immediately.

First-aid Measures After Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

First-aid Measures After Eye Contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Remove from exposure, lie down. Call a physician immediately.

First-aid Measures After Ingestion: Do not induce vomiting. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Foam. Dry powder. Dry chemical. Carbon dioxide (CO₂).

Unsuitable Extinguishing Media: Do not use a solid water stream as it may scatter and spread fire.

Special Hazards Arising From the Substance or Mixture

Keep product and empty container away from heat and sources of ignition.

Advice for Firefighters

Protection During Firefighting: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Standard procedure for chemical fires.

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: Use personal protective equipment. Keep people away from and upwind of spill/leak. Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and Material for Containment and Cleaning Up

Dike with inert absorbent material. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Precautions for Safe Handling: Wear personal protective equipment. Do not breathe vapors or spray mist. Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed

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areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Keep in properly labeled containers. Keep tightly closed in a dry and cool place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Stoddard Solvent (8052-41-3)		
USA ACGIH	ACGIH TWA (mg/m ³)	525 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	2900 mg/m ³
Mexico	OEL TWA (ppm)	100 ppm
Mexico	OEL STEL (ppm)	200 ppm
Ontario	OEL TWA (ppm)	100 ppm

1,3,5-trimethylbenzene (108-67-8)		
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	125 mg/m ³
USA NIOSH	NIOSH REL (TWA) (ppm)	25 ppm

Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment: Wear a positive-pressure supplied-air respirator.



Hand Protection: Protective gloves.

Eye Protection: Tightly fitting safety goggles. Safety glasses with side-shields.

Skin and Body Protection: Long sleeved clothing. Chemical resistant apron. Impervious butyl rubber gloves. Break through time. Lightweight protective clothing. Antistatic boots.

Other Information: When using, do not eat, drink, or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Colorless
Odor	: Petroleum Distillates
Odor Threshold	: Not available
pH	: Not available
Relative Evaporation Rate (butyl acetate = 1)	: 40x slower (ether = 1)
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: 300-390°F / 149-199°C
Flash Point	: 41°C (105°F)
Auto-ignition Temperature	: 282°C (540°F)
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Combustible
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: 5 mmHg
Relative Vapor Density at 68°F (20°C)	: 3.9 @ Air = 1
Relative Density	: Lighter than water
Specific Gravity	: .81
Solubility	: Slightly soluble
Partition coefficient: n-octanol/water	: Not available
Viscosity	: Viscous liquid
Explosion Data – Sensitivity to Mechanical Impact	: Not available
Explosion Data – Sensitivity to Static Discharge	: Not available
Volatile Organic Compounds	: 700 g/L

SECTION 10: STABILITY AND REACTIVITY

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Chemical Stability: Stable under recommended storage conditions. Hazardous polymerization does not occur.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to Avoid: Keep away from heat, sparks and open flames. Heating in air.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Information On Toxicological Effects - Product

Acute Toxicity: Not classified

LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Causes skin irritation.

Serious Eye Damage: Causes serious eye irritation.

Respiratory or Skin Sensitization: May cause respiratory irritation.

Germ Cell Mutagenicity: May cause genetic defects by route of exposure if conclusively proven that no other route applies.

Teratogenicity: Not available

Carcinogenicity: May cause cancer.

Specific Target Organ Toxicity (Repeated Exposure): May cause respiratory irritation.

Reproductive Toxicity: Not available

Aspiration Hazard: Not available

Specific Target Organ Toxicity (Single Exposure): Not classified

Symptoms/Injuries After Inhalation: Harmful if inhaled.

Symptoms/Injuries After Skin Contact: May cause skin irritation.

Symptoms/Injuries After Eye Contact: Causes serious eye irritation.

Symptoms/Injuries After Ingestion: May be fatal if swallowed and enters airways.

Chronic Symptoms: Not available

Information on Toxicological Effects – Ingredient(s)

LD50 and LC50 Data

Ethyl Benzene (100-41-4)	
LD50 Oral Rat	3,500 mg/kg
LD50 Dermal Rabbit	15,354 mg/kg
LC50 Inhalation Rat	17.2 mg/L Rat 4 h
Pseudocumene (95-63-6)	
LC50 Inhalation Rat	3,400 mg/kg
LD50 Dermal Rabbit	3,160 mg/kg
LC50 Inhalation Rat	18 g/m ³ Rat 4 h

Carcinogenicity Data:

Ethyl Benzene (100-41-4)	
IARC Group	2B
ACGIH	A3

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ethyl Benzene

Freshwater Algae Data

Selenastrum capricornutum EC50=4.6 mg/L (72 h)

Selenastrum capricornutum EC50>438 mg/L (96 h)

Microtox Data

Photobacterium phosphoreum EC50=9.68 mg/L (30 min)

Nitrosomonas EC50=96 mg/L (24 h)

Water Flea Data

Daphnia magna EC50=1.8 - 2.4 mg/L (48 h)

Pseudocumene

Water Flea Data

Daphnia magna EC50=6.14 mg/L (48 h)

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

Ethyl Benzene

log Pow = 3.118

Pseudocumene

log Pow = 3.63

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Should not be released into the environment. It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.

Contaminated Packaging: Clean container with water. Empty containers should be taken for local recycling, recovery or waste disposal.

USEPA Waste Number: D001

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT

Special Instructions	: Non-Regulated Material per 49 CFR 173.150(f)
Proper Shipping Name	: TARS, LIQUID, NOT REGULATED, NON BULK
Hazard Class	:
Identification Number	: UN1993
Packing Group	: III

In Accordance with IMDG

Proper Shipping Name	: Flammable Liquid, N.O.S
Hazard Class	: 3
Identification Number	: UN1139
Packing Group	: III



In Accordance with IATA

Proper Shipping Name	: Flammable Liquid, N.O.S.
Hazard Class	: 3
Identification Number	: UN1139
Packing Group	: III
Marine Pollutant	: Yes



In Accordance with TDG

Proper Shipping Name	: Combustible liquids, N.O.S. (Mineral Spirits)
Hazard Class	: 3
Identification Number	: UN1993
Packing Group	: III
Marine Pollutant	: Yes



SECTION 15: REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	CHINA	KECL	PICCS	AICS
Ethyl Benzene	X	X	-	X	-	X	X	X	X	X
Isooctyl trimethoxy silane	X	X	-	X	-	-	X	X	X	X
Stoddard solvent	X	X	-	X	-	-	X	X	X	X
Pseudocumene	X	X	-	X	-	X	X	X	X	X

TSCA	Complies
DSL	Complies
NDSL	Complies
EINECS	Complies
ELINCS	Does not Comply
ENCS	Does not Comply
CHINA	Complies

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Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	CHINA	KECL	PICCS	AICS
KECL		Complies								
PICCS		Complies								
AICS		Complies								

US 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:

Chemical Name	SARA 313 - Threshold Values
Ethyl Benzene (CAS #: 100-41-4)	0.1%
Pseudocumene (CAS #: 95-63-6)	1.0%

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

This product contains the following HAPs:

Chemical Name

Ethyl Benzene (CAS #: 100-41-4)

Methanol (CAS #: 67-56-1)

California Proposition 65


WARNING: This product contains a chemical(s) known to the State of California to cause cancer and birth or other reproductive harm.

Chemical Name	CAS-No	Category	Type
Ethyl Benzene	100-41-4	Carcinogen	

State Right-to-Know

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Ethyl Benzene	X	X	X	X	X
Stoddard solvent	X	X	X		X
Pseudocumene	X	X	X	X	

Canadian Regulations

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WHMIS Classification	Class B Division 3 – Combustible liquid
	

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

Revision date : 10/14/2015

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

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,

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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 2012 & WHMIS