



CPR Base Coating

Safety Data Sheet

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

Revision Date: N/A

Date of Issue: 01/02/2015

Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: CPR Base Coating

Product Code: 5307

Intended Use of the Product

Elastomeric Roof Coating

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)

Asp. Haz. 1	H304
Skin Corr. 2	H315
Eye Irrit. 2B	H320
STOT SE 3	H336
Carc. 1B	H350

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)

:



GH502



GH507



GH508



GH509

Signal Word (GHS-US)

: Danger

Hazard Statements (GHS-US)

: H227 – Combustible liquid.
H304 – May be fatal if swallowed and enters airways.
H315 – Causes skin irritation.
H320 – Causes eye irritation.
H336 – May cause drowsiness or dizziness.
H350 – May cause cancer.

Precautionary Statements (GHS-US)

: P210 – Keep away from heat/sparks/open flames/hot surfaces – No smoking.
P233 – Keep container tightly closed.
P242 – Use only non-sparking tools.
P261 – Avoid breathing vapors.
P264 – Wash hands thoroughly after handling. Wash contaminated work clothing before reuse.
P270 – Do not eat, drink or smoke when using this product.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310+P331 – IF SWALLOWED, immediately call a doctor. Do NOT induce vomiting.
P303+P361+P352 – IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Wash with soap and water.
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

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P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Product identifier	% (w/w)	Classification (GHS-US)
Stoddard Solvent	(CAS No) 8052-41-3	30-40	Flam. Liq. 3 H226 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Calcium Carbonate	(CAS No) 1317-65-3	10-20	
Titanium Dioxide	(CAS No) 13463-67-7	10-20	Skin Irrit. 2, H315
Hydrocarbon Resin	(CAS No) 68441-37-2	10-20	
Styrene Copolymer	(CAS No) 66070-58-4	5-10	

Full text of H-Phrases: See Section 16

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.

First-aid Measures After Inhalation: This material has a low vapor pressure and is not expected to present an inhalation exposure problem under ambient conditions. If vapor or mist is generated when the material is heated or handled, remove the victim from the exposure. If breathing has stopped or is irregular, administer artificial respiration and supply Oxygen if it is available. If victim is unconscious, remove to fresh air and seek immediate medical attention.

First-aid Measures After Skin Contact: Remove contaminated clothing including shoes and wash before reuse. In case of contact, wash off immediately with soap and plenty of water. If redness or irritation occurs seek medical attention.

First-aid Measures After Eye Contact: Immediately flush eyes with copious amounts of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Remove contact lenses, if present and easy to do. If irritation persists seek medical attention.

First-aid Measures After Ingestion: DO NOT INDUCE VOMITING. Product contains hydrocarbon solvents which may cause serious damage if aspirated into the lungs. Summon immediate medical help.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: The use of water as the extinguishing medium may only lead to spreading the fire. Try to cover liquid spill with foam. Chemical extinguishers may also be used as well as Carbon Dioxide. Water spray may be used to cool fire exposed containers and surfaces.

Unsuitable Extinguishing Media: Do not use extinguishing media containing water. Water or foam may cause frothing. Use of water on product above 100 °C (212 °F) can cause product to expand with explosive force.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: This product does not ignite easily.

Explosion Hazard: Combustible.

Reactivity: Flammable liquid and vapor.

Advice for Firefighters

Firefighting Instructions: Exercise caution when fighting any chemical fire.

Protection During Firefighting: Respiratory and eye protection required for fire-fighting personnel. Full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may be easily extinguished with a portable fire extinguisher, use of an SCBA may not be required.

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: Avoid breathing vapors, mist or gas. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Slippery, can cause falls if walked on.

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For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Remove all sources of ignition.

Methods and Material for Containment and Cleaning Up

For Containment: Contain with inert absorbent material.

Methods for Cleaning Up: 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).

Small spillage: Wipe up small spills and place wipers in an approved disposal container. Do not let product enter drains. Wash or steam clean the area of the spill. Do not flush to sewer!

Large spillage: Contain and recover liquid when possible. Do not let product enter drains. Add absorbent materials to large spills and scoop into approved disposal containers. Do not use combustible materials such as sawdust. Wash or steam clean the area of the spill. Do not flush to sewer!

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 as specified in Section 8. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors or spray mist. Avoid contact with skin and eyes. Loosen container closure cautiously before opening. Wash hands before eating, smoking, or using toilet facilities. Wash contaminated work clothing before re-use. Slippery, can cause falls if walked on.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed 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: Protect against physical damage. Keep container tightly closed in a dry and well-ventilated location at ambient temperature and atmospheric pressure away from incompatible materials (reference Section 10.) Keep away from heat, sparks, and flame. Protect from freezing.

Incompatible Materials: Heat sources.

Storage Area: Store locked up. Store in a well-ventilated place.

Specific End Use(s)

Elastomeric Roof Coating

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Hydrocarbon Solvent (8052-41-3)		
USA ACGIH	ACGIH TWA (mg/m ³)	525 mg/m ³
USA ACGIH	ACGIH TLV (ppm)	100 ppm
USA OSHA	OSHA PEL (TWA)(mg/m ³)	2900 mg/m ³
USA OSHA	OSHA PEL (TWA)(ppm)	500 ppm

Titanium Dioxide (13463-67-7)		
USA ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³
USA IDLH	US IDLH (mg/m ³)	5000 mg/m ³
Mexico	OEL TWA (mg/m ³)	10 mg/m ³
Mexico	OEL STEL (mg/m ³)	20 mg/m ³
Ontario	OEL TWA (mg/m ³)	10 mg/m ³

Calcium Carbonate (1317-65-3)		
USA OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	5 mg/m ³
Mexico	OEL TWA (mg/m ³)	10 mg/m ³

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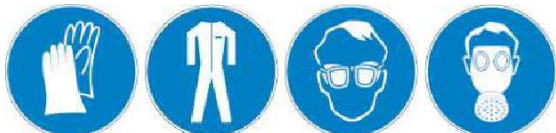
Date of issue: 06/01/2015

Mexico	OEL STEL (mg/m ³)	20 mg/m ³
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Exposure Controls

Appropriate Engineering Controls: A system of local and/or general exhaust is recommended to keep employees exposures below the Airborne Exposure limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



Hand Protection: Protective gloves.

Eye Protection: Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Skin and Body Protection: Protective gloves should be worn for prolonged or repeated contact. Protective cream may be useful when repeated skin contact is expected.

Respiratory Protection: Maintain adequate ventilation. A respirator is not normally required. In case of insufficient ventilation, wear a positive-pressure supplied-air respirator.

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	: Colored, viscous liquid
Odor	: Faint oily odor
Odor Threshold	: Not available
pH	: Not available
Relative Evaporation Rate (butyl acetate = 1)	: Slower than butyl acetate
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: 300-390°F (149-199°C)
Flash Point	: 100-120°F (37.8-48.9°C)
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: 0.8%
Upper Flammable Limit	: 5.0%
Vapor Pressure	: <10 mm Hg
Relative Vapor Density at 68°F (20°C)	: Heavier than air
Relative Density	: Lighter than water
Specific Gravity	: Not available
Solubility	: Insoluble
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	: <400 g/L

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Stable.

Chemical Stability: Stable under ordinary conditions of use and storage.

Possibility of Hazardous Reactions: See Incompatible materials. Keep away from heat/sparks/open flames/hot surfaces.

Conditions to Avoid: Open flames and intense heat. Heating in air.

Incompatible Materials: Strong oxidizing agents. Strong acids.

Hazardous Decomposition Products: When burning under conditions of restricted air there is a possibility of the generation of toxic gases (Carbon Monoxide, Carbon Dioxide, and oxides of Nitrogen.)

SECTION 11: TOXICOLOGICAL INFORMATION

Emergency Overview:

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Acute Toxicity: Not classified

LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Not classified

Serious Eye Damage: Contact with eye could cause tearing, reddening, and swelling. If left untreated, corneal damage can occur, and injury is slow to heal.

Respiratory or Skin Sensitization: Skin sensitizer.

Germ Cell Mutagenicity: Data not available.

Teratogenicity: Not available

Carcinogenicity: May cause cancer.

Specific Target Organ Toxicity (Repeated Exposure): No data available.

Reproductive Toxicity: Not available

Aspiration Hazard: Product contains hydrocarbon solvents which may cause serious damage if aspirated into the lungs. Summon immediate medical help.

Specific Target Organ Toxicity (Single Exposure): No data available.

Symptoms/Injuries After Inhalation: Excessive inhalation of the concentrated vapors from this product may cause headache, coughing, breathing difficulty, convulsions, shock, severe irritation of the mucous membranes and severe lung congestion. May cause congestion. May cause drowsiness or dizziness.

Symptoms/Injuries After Skin Contact: Frequent or prolonged contact with the skin may cause temporary irritation or dermatitis.

Symptoms/Injuries After Eye Contact: May cause severe irritation of the eye, leading to burns if not immediately treated.

Symptoms/Injuries After Ingestion: Ingestion may cause local irritation of the mucous membranes of the mouth, esophagus and stomach. May act as a laxative.

Chronic Symptoms: No data available.

Information on Toxicological Effects – Ingredient(s)

LD50 and LC50 Data

Stoddard Solvent (8052-41-3)	
LD50 Oral Rat	> 20,000 mg/kg
LD50 Dermal Rabbit	> 3,900 mg/kg
LC50 Inhalation Rat	11,000 mg/m ³

Carcinogenicity Data:

Styrene Copolymer (66070-58-4)	
IARC Group	None

Hydrocarbon Resin (68441-37-2)	
IARC Group	None

Stoddard Solvent (8052-41-3)	
IARC Group	None

Calcium Carbonate (1317-65-3)	
IARC Group	None

Titanium Dioxide (13463-67-7)	
IARC Group	2B
National Toxicity Program (NTP) Status	Reasonable Anticipated to Be a Human Carcinogen
The IARC classification was based on high concentrations of titanium dioxide particles in animal lungs.	

SECTION 12: ECOLOGICAL INFORMATION

Toxicity – Ingredients

Stoddard Solvent (8052-41-3)	
LC50 Fish 1	0.42 mg/L

Persistence and Degradability

Not established.

Bioaccumulative Potential – Product

Not established.

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Mobility in Soil

No additional information available.

Other Adverse Effects

Other Information: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements. Empty containers may retain hazardous properties. Containers must not be used for other purposes. Do not weld or flame cut an empty container. Do not transfer to unmarked containers. Follow all SDS label warnings even after container is empty.

Additional Information: Prevent runoff from entering drains, sewers, or waterways.

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT

Special Provisions : Not regulated for non-bulk packaging (<119 gal) DOT 49 CFR 173.150 (f).

Proper Shipping Name : Coating Solution

Hazard Class : 3

Identification Number : UN1139

In Accordance with IMDG

Proper Shipping Name : Coating Solution

Hazard Class : 3

Identification Number : UN1139

Packing Group : III



In Accordance with IATA

Proper Shipping Name : Coating Solution

Hazard Class : 3

Identification Number : UN1139

Packing Group : III



In Accordance with TDG

Special Provisions : Non-regulated for surface transportation (no hazard label required for surface transportation via motor freight).

Proper Shipping Name : Coating Solution

Hazard Class : 3

Identification Number : UN1139

Packing Group : III

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

Stoddard Solvent (8052-41-3)

Listed on the United States TSCA (Toxic Substances Control Act) Inventory

SARA Section 313 – Emission Reporting	36.7%
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SARA Section 302–Threshold Planning Quantity (TPQ)	1,000 lbs
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Styrene Copolymer (66070-58-4)

Listed on the United States TSCA (Toxic Substances Control Act) Inventory

Hydrocarbon Resin (68441-37-2)

Listed on the United States TSCA (Toxic Substances Control Act) Inventory

Calcium Carbonate (1317-65-3)

Listed on the United States TSCA (Toxic Substances Control Act) Inventory

Titanium Dioxide (13463-67-7)

Listed on the United States TSCA (Toxic Substances Control Act) Inventory

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US State Regulations

Stoddard Solvent (8052-41-3)

RTK – U.S. – Massachusetts – Right To Know List

RTK – U.S. – New Jersey – Right To Know Hazardous Substance List

RTK – U.S. – Pennsylvania – RTK (Right To Know) List

Titanium Dioxide (13463-67-7)

U.S. – California – Proposition 65 – Carcinogens List

WARNING: This product contains chemicals known to the state of California to cause cancer.

Canadian Regulations

CPR Base Coating

WHMIS Classification

Class B Division 3 – Combustible liquid

Class D Division 2 Subdivision B – Toxic material



Stoddard Solvent (8052-41-3)

Listed on the Canadian DSL (Domestic Substances List) Inventory

Styrene Copolymer (66070-58-4)

Listed on the Canadian DSL (Domestic Substances List) Inventory

Hydrocarbon Resin (68441-37-2)

Listed on the Canadian DSL (Domestic Substances List) Inventory

Calcium Carbonate (1317-65-3)

Listed on the Canadian DSL (Domestic Substances List) Inventory

Titanium Dioxide (13463-67-7)

Listed on the Canadian DSL (Domestic Substances List) Inventory

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

Revision date : 06/01/2015

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, 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