



HPR® All Temp Asphalt

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: 6/01/2015

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Liquid

Product Name: HPR® All Temp Asphalt

Product Code: 7340

Intended Use of the Product

High-grade, waterproofing and roofing laminate asphalt. 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
www.garlandco.com

Garland Canada, Inc.
209 Carrier Drive
Toronto, Ontario M9W 5Y8
T-416-747-7995
F-416-747-1980
www.garlandco.com

Emergency Telephone Number

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

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Carc. 1 H350

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Danger

Hazard Statements (GHS-US)

: H350 - May cause cancer by route of exposure if conclusively proven that no other route applies

Precautionary Statements (GHS-US)

: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P281 - Use personal protective equipment as required.
P308 + P313 - IF exposed or concerned: Get medical advice/attention.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Oxidized Asphalt	(CAS No) 64742-93-4	0-75	Carc. 1, H350

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Treat symptomatically

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Inhalation: Move to fresh air in case of accidental inhalation of vapors. If breathing is difficult, give oxygen. Artificial respiration and/or oxygen may be necessary. Call a physician immediately.

Skin Contact: For contact with MOLTEN product, do not remove contaminated clothing. Immediately flush skin with large amounts of cold water. If possible submerge area in cold water. Pack with ice (DO NOT use ice if burn area covers more than 10% of the body). Call a physician immediately.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.

Ingestion: If swallowed. Do not induce vomiting without medical advice. Drink plenty of water to dilute the material in the stomach. Immediate medical attention is required.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Dry chemical. Foam. Carbon dioxide (CO₂). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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

Hazardous Combustion Products

Carbon monoxide, Carbon dioxide (CO₂), Hazardous Combustion Products.

Advice for Firefighters

Precautionary Measures Fire: Not available

Special Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Specific Methods: Keep product and empty container away from heat and sources of ignition

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: Evacuate personnel to safe areas

For Non-Emergency Personnel

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

For Emergency Personnel

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate ponds, waterways or ditches with chemical or used container.

Methods and Materials for Containment and Cleaning Up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel or sweep up. Take up mechanically and collect in suitable container for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Handle in accordance with good industrial hygiene and safety practice. Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin and eyes. Do not breathe vapors or spray mist. Keep out of the reach of children.

Conditions for Safe Storage, Including Any Incompatibilities

Keep away from open flames, hot surfaces and sources of ignition. Keep out of the reach of children.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	Guideline OSHA	Guideline NIOSH	Ontario TWAEV	ACGIH TLV	Mexico
Asphalt Fumes	None Listed	5 mg/m ³ (REL) over a 15minute period	TLV – 8hr. TWA: : 0.5 mg/m ³	TLV – 8hr. TWA: 0.5 mg/m ³	8 hr TWA: 5 mg/m ³

Personal Protective Equipment

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Eye/face Protection: Avoid contact with eyes. Safety glasses with side-shields.

Skin Protection Respiratory Protection: Long sleeved clothing and long pants. Protective gloves.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Appearance: Brown

Odor: Petroleum

Physical State: Solid. Liquid.

pH: Not Available

Flash Point: > 525°F / > 274°C

Autoignition Temperature: 650°F / 343°C

Boiling Point/Range: >1000°F (>538°C)

Freezing Point: Not Available

Flammability Limits in Air: Not Available

Explosive Properties: Not Available

Oxidizing Properties: Not Available

Evaporation Rate: Not Available

Vapor Pressure: <5 mmHg

Vapor Density: Not Available

Specific Gravity: 1.04 (water= 1)

Water Solubility: Immiscible

Volatiles: Not Available

Viscosity: Solid @ 77F/25C

Softening Point: 221F/105C

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

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

Incompatible Materials: Strong oxidizing agents. Water.

Hazardous Decomposition Products: None identified

Possibility of Hazardous Reactions: None under normal processing

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Inhalation of vapors may cause nose, throat, and mucous membrane irritation, and nausea, headaches or dizziness and central nervous system depression, including drowsiness, loss of coordination, and unconsciousness.

Chronic Toxicity

Prolonged repeat contact with skin may cause dryness and skin irritation. Long term skin exposure to asphalt can increase sensitivity to the sun, and may cause discoloration.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
asphalt, oxidized	5000 mg/kg Rat	2000 mg/kg Rabbit	

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Carcinogenicity

The International Agency for Research on Cancer (IARC) has determined that "occupational exposure to oxidized bitumens and their emissions during roofing" are classified as "probably carcinogenic to humans" (Group 2A). IARC's determination was based primarily on a finding of "sufficient" evidence of carcinogenicity of in animals for extracts and fume condensates from oxidized asphalt. IARC's review of studies in humans concluded that the evidence on the carcinogenicity of oxidized asphalt emissions in roofers is "limited" because of potential confounding by exposures to carcinogens such as coal-tar and tobacco smoking could not be ruled out. The National Institute for Occupational Safety and Health (NIOSH) has determined that roofing asphalt fumes are a "potential occupational carcinogen." In support of this finding, NIOSH determined that data from experimental studies in animals and cultured mammalian cells indicate that laboratory-generated roofing asphalt fume condensates are genotoxic and cause skin tumors in mice when applied dermally. Like IARC, NIOSH concluded that the results from epidemiologic studies indicate that roofers exposed to asphalt fumes are at an increased risk of lung cancer, but it is uncertain whether this increase can be attributed to asphalt and/or to other exposures such as coal tar or asbestos.

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

Chemical Name	ACGIH	IARC	NTP	OSHA	Mexico
asphalt, oxidized	A4 Not Classifiable as a Human Carcinogen	No Data	No Data	No Data	A4 Not Classifiable as a Human Carcinogen

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

No data available for these products.

asphalt, oxidized

Freshwater Algae Data

Selenastrum capricornutum EC50=56 mg/L (72 h)

Persistence/Degradability Not available

Bioaccumulation/ Accumulation Not available

Mobility in Environmental Media Not available

SECTION 13: DISPOSAL CONSIDERATIONS

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

Contaminated Packaging: Empty containers should be taken for local recycling, recovery or waste disposal

US EPA Waste Number: Not regulated

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

All of the components in the product are on the following Inventory lists:

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Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	CHINA	KECL	PICCS	AICS
asphalt, oxidized	X	X	-	X	-	X	X	X	X	X

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

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This material contains Polycyclic Aromatic Compounds (PAC) listed under SARA 313 which is subject to the reporting requirements of the Act and Title 40 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

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

State Right-to-Know

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Asphalt	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

Not determined

SECTION 16: OTHER INFORMATION

Revision Date	: 07-27-2015
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 91 st Street Cleveland, Ohio 44105-2197 T-1800-762-8225 F-216-641-0633

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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.