



since 1895

Material Safety Data Sheet

NFPA	WHMIS	PPE	Transport Symbol
			DOT Not Regulated

Preparation Date 19-Mar-2007

Revision Date 16-Apr-2007

Revision Number 3

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name HPR All-Temp Asphalt
Product Code 7340
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

Garland Canda, Inc.
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

Combustible material

Appearance Black.

Physical State Solid. Liquid.

Odor Petroleum distillates.

Mexico - Grade Slight risk, Grade 1

Potential Health Effects

Principle Routes of Exposure Eye contact, Inhalation, Ingestion, Skin contact.

Acute Effects

Eyes Contact with eyes may cause irritation. Contact with hot product may cause thermal burns and severe eye damage.

Skin Contact causes severe skin irritation and possible burns. May cause sensitization by skin contact.

Inhalation May cause irritation of respiratory tract. Avoid breathing vapors or mists.

Ingestion	May be harmful if swallowed.
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
asphalt, oxidized	64742-93-4	60 - 100	1

4. FIRST AID MEASURES

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Consult a physician if necessary.
Inhalation	Move to fresh air in case of accidental inhalation of vapours. Artificial respiration and/or oxygen may be necessary. If breathing is difficult, give oxygen. Call a physician immediately.
Ingestion	If swallowed. Do not induce vomiting without medical advice. Immediate medical attention is required.
Notes to Physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical. Foam. Carbon dioxide (CO ₂). 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 (CO ₂), Hazardous Combustion Products .
Explosion Data	
Sensitivity to mechanical impact	Not available
Sensitivity to static discharge	Not available

Specific Hazards Arising from the Chemical

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

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

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

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Evacuate personnel to safe areas
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 for Containment	Dike with inert absorbant material
Methods for 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.
Other Information	Not applicable

7. HANDLING AND STORAGE

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 vapours or spray mist. Keep out of the reach of children.
Storage	Keep away from open flames, hot surfaces and sources of ignition. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures	Do not allow ventilation equipment to draw material odors indoors.
Personal Protective Equipment	
Eye/face Protection	Avoid contact with eyes. Safety glasses with side-shields.
Skin Protection	Long sleeved clothing. Protective gloves.
Respiratory Protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators
Hygiene Measures	
Handle in accordance with good industrial hygiene and safety practice	

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Black
Odor	Petroleum distillates
Physical State	Solid Liquid
pH	Not available
Flash Point	> 525°F / > 274°C

9. PHYSICAL AND CHEMICAL PROPERTIES

Autoignition Temperature	650°F / 343°C	
Boiling Point/Range	1000 / 538°C	
Freezing Point	Not available	
Flammability Limits in Air	Lower Not available	Upper Not available
Explosive Properties	Not available	
Oxidizing Properties	Not available	
Evaporation Rate	Not available	
Vapor Pressure	Not available	
Vapor Density	Not available	
Specific Gravity	Not available	
Solubility	Immiscible	
Water Solubility	Not available	
Volatiles	Not available	

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Conditions to Avoid	Heat, flames and sparks
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
asphalt, oxidized	5000 mg/kg Rat	2000 mg/kg Rabbit	

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

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

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
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

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 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**

WARNING: This product contains a chemical(s) known to the State of California to cause cancer.

State Right-to-Know**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

16. OTHER INFORMATION

Preparation Date	19-Mar-2007
Revision Date	16-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