

Material Safety Data Sheet



since 1895

NFPA	WHMIS	PPE	Transport Symbol
			Not regulated, non-bulk

Preparation Date 12/08/2006

Revision Date 04/21/2012

Revision Number 12

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Flashing Bond®
Product Code 7110
UN-No 1999

Contact Manufacturer
 The Garland Company, Inc.
 3800 East 91st. Street
 Cleveland, Ohio 44105-2197
 Ph: (800) 762-8225 Fax: (216) 641-0633

Garland Canada, Inc.
 209 Carrier Drive
 Toronto, Ontario M9W 5Y8
 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 Liquid.

Odor Petroleum distillates.

Mexico - Grade Slight risk, Grade 1

Potential Health Effects

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

Acute Effects

Eyes

Avoid contact with eyes. Moderately irritating to the eyes. May cause corneal damage..

Skin

Avoid contact with skin. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. May cause sensitization by skin contact.

Inhalation

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

Ingestion

Harmful if swallowed. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects Prolonged exposure may cause chronic effects. Repeated contact may cause allergic reactions in very susceptible persons.

See Section 11 for additional Toxicological information.

Main Symptoms Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Aggravated Medical Conditions Liver disorders. Kidney disorders. Skin disorders. Central nervous system.

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
Petroleum Asphalt	8052-42-4	30 - 60	1
Stoddard solvent	8052-41-3	10 - 30	1
Cellulose	9004-34-6	5 - 10	1
Hydrous Alumino Silicate	12174-11-7	10 - 30	1
Quartz (Crystalline Silica)	14808-60-7	0.1 - 1	1

4. FIRST AID MEASURES

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.

Inhalation Move to fresh air. Oxygen or artificial respiration if needed. If symptoms persist, call a physician.

Ingestion Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

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.

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

Explosion Data

Sensitivity to mechanical impact	No
Sensitivity to static discharge	Yes

Specific Hazards Arising from the Chemical

Combustible material. 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 2****Instability 0****6. ACCIDENTAL RELEASE MEASURES****Personal Precautions**

Avoid contact with the skin and the eyes. Ensure adequate ventilation. Remove all sources of ignition.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Keep out of waterways.

Methods for Containment

Dike with inert absorbent material

Methods for Cleaning Up

Take precautionary measures against static discharges. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Keep in suitable and closed containers for disposal.

Other Information

Not applicable

7. HANDLING AND STORAGE**Handling**

Avoid contact with skin and eyes. Keep away from open flames, hot surfaces and sources of ignition. Ensure adequate ventilation.

Storage

Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	Ontario TWAEV	Mexico
Petroleum Asphalt	TWA: 0.5 mg/m ³		TWA: 0.5 mg/m ³	STEL: 10 mg/m ³ TWA: 5 mg/m ³
Stoddard solvent	TWA: 100 ppm	TWA: 2900 mg/m ³ TWA: 500 ppm	TWA: 525 mg/m ³	STEL: 200 ppm STEL: 1050 mg/m ³ TWA: 523 mg/m ³ TWA: 100 ppm
Cellulose	TWA: 10 mg/m ³	TWA: 5 mg/m ³ TWA: 15 mg/m ³	TWA: 10 mg/m ³	STEL: 20 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
Stoddard solvent	20000 mg/m ³
Quartz (Crystalline Silica)	50 mg/m ³

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face Protection	Safety glasses with side-shields
Skin Protection	Impervious gloves. Long sleeved clothing.
Respiratory Protection	No special protective equipment required.

Hygiene Measures

Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Black	
Odor	Petroleum distillates	
Physical State	Liquid	
pH	Not available	
Flash Point	105°F / 41°C	
Method	Tag closed cup	
Autoignition Temperature	540°F / 282°C	
Boiling Point/Range	300-390°F / 149-199°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	6 mmHg	
Vapor Density	@ Air = 1	
Specific Gravity	1.03	
Solubility	partly miscible	
Water Solubility	Insoluble	
Volatiles	21-25%	
VOC Content	250 g/L	

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to Avoid	Open flames and intense heat.
Incompatible Materials	No materials to be especially mentioned.
Hazardous Decomposition Products	Carbon monoxide. Carbon dioxide (CO ₂). Hydrocarbons.
Possibility of Hazardous Reactions	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION**Acute Toxicity****Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum Asphalt	5000 mg/kg Rat	2000 mg/kg Rabbit	
Cellulose	5 g/kg Rat	2 g/kg Rabbit	5800 mg/m ³ Rat 4 h
Quartz (Crystalline Silica)	500 mg/kg Rat		

Chronic Toxicity**Carcinogenicity**

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

Chemical Name	ACGIH	IARC	NTP	OSHA	Mexico
Hydrous Alumino Silicate		Group 2B		X	
Quartz (Crystalline Silica)	A2	Group 1	Known	X	

12. ECOLOGICAL INFORMATION**Ecotoxicity**

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

Persistence/Degradability

Not available

Bioaccumulation/ Accumulation

Not available

Mobility in Environmental Media

Not available

Petroleum Asphalt

log Pow = 6

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

D001

14. TRANSPORT INFORMATION**DOT**

UN-No

Not regulated, non-bulk
1999**TDG****MEX****ICAO**

UN-No

Proper Shipping Name

Hazard Class

Packing Group

Description

UN1999

Tars, liquid

3

III

Tars, liquid, UN1999, PG III

IATA

UN-No

Proper Shipping Name

Hazard Class

Packing Group

UN1999

Tars, liquid

3

III

14. TRANSPORT INFORMATION

ERG Code 3L
Description Tars, liquid, UN1999, PG III

IMDG/IMO

Proper Shipping Name Tars, liquid
Hazard Class 3
UN-No UN1999
Packing Group III
EmS No. F-E, S-E
Description Tars, liquid, UN1999, PG III

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	CHINA	KECL	PICCS	AICS
Petroleum Asphalt	X	X	-	X	-	-	X	X	X	X
Stoddard solvent	X	X	-	X	-	-	X	X	X	X
Cellulose	X	X	-	X	-	X	X	X	X	X
Hydrous Alumino Silicate	X	X	-	-	-	-	X	-	X	X
Quartz (Crystalline Silica)	X	X	-	X	-	X	X	X	X	X

TSCA Complies
DSL Complies
NDSL Complies
EINECS Complies
ELINCS Complies
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.

Chemical Name	CAS-No	Category	Type
Hydrous Alumino Silicate	12174-11-7	Carcinogen	
Quartz (Crystalline Silica)	14808-60-7	Carcinogen	

State Right-to-Know

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Petroleum Asphalt	X	X	X		X
Stoddard solvent	X	X	X		X
Cellulose	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

B3 Combustible liquid

D2B Toxic materials

16. OTHER INFORMATION

Prepared By Jason Smith
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Revision Date 04/21/2012
Revision Summary Canadian address update

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