



since 1895

Material Safety Data Sheet

NFPA	WHMIS	PPE	Transport Symbol
			Not Regulated Not regulated, non-bulk

Preparation Date 08-Dec-2006

Revision Date 16-Feb-2012

Revision Number 7

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Garla-Prime®
Product Code 7612
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 Dr.
Toronto, Ontario M9W 5Y8
Ph: (416)747-7995 (800)387-5991
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 Moderate risk, Grade 2

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 can 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 No information available.

Potential Environmental Effects See Section 12 for additional Ecological information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Stoddard solvent	8052-41-3	30 - 60
Petroleum Asphalt	8052-42-4	30 - 60
Petroleum naphtha, light aromatic	64742-95-6	5 - 10

4. FIRST AID MEASURES

General Advice Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. Remove from exposure, lie down.

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.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

Inhalation Move to fresh air. Call a physician immediately.

Ingestion Do not induce vomiting. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

Notes to Physician Treat symptomatically.

Protection of First-aiders Use personal protective equipment. Avoid contact with skin, eyes and clothing. Remove all sources of ignition.

5. FIRE-FIGHTING MEASURES

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

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. Standard procedure for chemical fires.

NFPA	Health 1	Flammability 2	Instability 0
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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	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 for Containment	Dike 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).
Other Information	Not applicable

7. HANDLING AND STORAGE

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	Ontario TWAEV	Mexico
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
Petroleum Asphalt	TWA: 0.5 mg/m ³		TWA: 0.5 mg/m ³	STEL: 10 mg/m ³ TWA: 5 mg/m ³

Chemical Name	NIOSH IDLH
Stoddard solvent	20000 mg/m ³

IDLH: Immediately Dangerous to Life or Health

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face Protection Tightly fitting safety goggles. Safety glasses with side-shields.
Skin Protection Long sleeved clothing. Impervious butyl rubber gloves. Antistatic boots.
Respiratory Protection Wear a positive-pressure supplied-air respirator.

Hygiene Measures

When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Black	
Odor	Petroleum distillates	
Physical State	Liquid	
pH	Not available	
Flash Point	100°F / 38°C	
Method	Tag closed cup	
Boiling Point/Range	300-390°F / 149-199°C	
Freezing Point	Not available	
Flammability Limits in Air	Lower Not available	Upper Not available
Explosion Limits	Lower 0.8%	Upper 7.0%
Explosive Properties	Explosive Properties	
Oxidizing Properties	Not available	
Evaporation Rate	40x Slower (ether = 1)	
Vapor Pressure	5-10 mmHg	
Vapor Density	3.9-4.3 @ Air = 1	
Specific Gravity	0.90	
Solubility	No information available	
Water Solubility	Not available	
Volatiles	49-53%	
VOC Content	450 g/L	

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions. Hazardous polymerization does not occur.
Conditions to Avoid	Open flames and intense heat. Heating in air.
Incompatible Materials	No materials to be especially mentioned.
Hazardous Decomposition Products	Carbon oxides.
Possibility of Hazardous Reactions	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Information

11. TOXICOLOGICAL INFORMATION

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum Asphalt	5000 mg/kg Rat	2000 mg/kg Rabbit	
Petroleum naphtha, light aromatic	8400 mg/kg Rat	2000 mg/kg Rabbit	3400 ppm Rat 4 h 5.2 mg/L Rat 4 h

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

Petroleum naphtha, light aromatic

Water Flea Data

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

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

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.

US EPA Waste Number

D001

14. TRANSPORT INFORMATION

DOT

Not Regulated Not regulated, non-bulk

UN-No

1999

Special Provisions

Not Regulated for non-bulk packaging of 450 liters (119 gallons) or less (DOT 49 CFR 173.150(f))

TDG

Not regulated

MEX

Not regulated

ICAO

UN-No

UN1999

Proper Shipping Name

Tars, liquid

14. TRANSPORT INFORMATION

Hazard Class	3
Packing Group	III
Description	Tars, liquid, UN1999, PG III

IATA

UN-No	UN1999
Proper Shipping Name	Tars, liquid
Hazard Class	3
Packing Group	III
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
Stoddard solvent	X	X	-	X	-	-	X	X	X	X
Petroleum Asphalt	X	X	-	X	-	-	X	X	X	X
Petroleum naphtha, light aromatic	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 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:

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

This product contains the following 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

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

B3 Combustible liquid

D2B Toxic materials

Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Preparation Date 08-Dec-2006

Revision Date 16-Feb-2012

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