






since 1895

Material Safety Data Sheet

| NFPA | WHMIS | PPE | Transport Symbol |
|---|---|---|-------------------|
|  |  |  | DOT Not Regulated |

Preparation Date 08-Dec-2006

Revision Date 17-May-2010

Revision Number 5

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Weatherking® Flashing Adhesive
Product Code 7338
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.
 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 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
Skin**

Avoid contact with eyes. Moderately irritating to the eyes.

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

**Inhalation
Ingestion**

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

Harmful if swallowed. Ingestion may cause irritation to mucous membranes.

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

Hazardous Components

| Chemical Name | CAS-No | Weight % | North American Hazard Indicator |
|-----------------------------|------------|----------|---------------------------------|
| Stoddard solvent | 8052-41-3 | 5 - 10 | 1 |
| Petroleum Asphalt | 8052-42-4 | 10 - 30 | 1 |
| Calcium Carbonate | 1317-65-3 | 10 - 30 | 1 |
| Magnesium Carbonate | 546-93-0 | 1 - 5 | 1 |
| Hydrous Alumino Silicate | 12174-11-7 | 1 - 5 | 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 Centre 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

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| Suitable Extinguishing Media | Foam. Dry powder. Dry chemical. Carbon dioxide (CO ₂). |
| 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), 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

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|----------------------------------|--|
| 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 absorbant material |
| Methods for Cleaning Up | Take precautionary measures against static discharges. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. Keep in suitable and closed containers for disposal. |
| Other Information | Not applicable |

7. HANDLING AND STORAGE

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|-----------------|--|
| 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 |
|------------------|--------------|---|----------------------------|---|
| 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 |

| 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 |
| Calcium Carbonate | | TWA: 15 mg/m ³ TWA: 5 mg/m ³ | TWA: 10 mg/m ³ | STEL: 20 mg/m ³ TWA: 10 mg/m ³ |
| Magnesium Carbonate | | TWA: 15 mg/m ³ TWA: 5 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 Do not allow ventilation equipment to draw material odors indoors..

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 | Upper |
| Explosion Limits | Lower 0.8% | Upper 6.0% |
| Explosive Properties | Not available | |
| Oxidizing Properties | Not available | |
| Evaporation Rate | 40x Slower (ether = 1) | |
| Vapor Pressure | 5 mmHg @ 100 °F | |
| Vapor Density | 3.9-4.3 @ Air = 1 | |
| Specific Gravity | .90 | |
| Water Solubility | Not available | |
| Partition Coefficient (n-octanol/water) | | |
| Volatiles | 27-30% | |
| VOC Content | 250 g/L | |

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions.

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| Conditions to Avoid | Heat, flames and sparks. |
| Incompatible Materials | No materials to be especially mentioned. |
| Hazardous Decomposition Products | Carbon monoxide. Carbon dioxide (CO ₂). Hydrocarbons. |
| Possibility of Hazardous Reactions | Hazardous polymerisation 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 | |
| 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

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|-------------------------------|--|
| 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 | D001 |

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| 14. TRANSPORT INFORMATION |
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|---------------------------------|----------------------------|
| DOT | Not Regulated |
| Subsidiary Class | |
| UN-No | 1999 |
| Reportable Quantity (RQ) | |
| TDG | Not regulated |
| Subsidiary Class | |
| MEX | Not regulated |
| Subsidiary Class | |
| ICAO | |
| UN-No | UN1999 |
| Proper Shipping Name | Tars, liquid |
| Hazard Class | 3 |
| Subsidiary Class | |
| Packing Group | III |
| Description | Tars, liquid,UN1999,PG III |
| IATA | |
| UN-No | UN1999 |
| Proper Shipping Name | Tars, liquid |
| Hazard Class | 3 |
| Subsidiary Class | |
| Packing Group | III |
| ERG Code | 3L |
| Description | Tars, liquid,UN1999,PG III |
| IMDG/IMO | |
| Proper Shipping Name | Tars, liquid |
| Hazard Class | 3 |
| Subsidiary Class | |
| UN-No | UN1999 |
| Packing Group | III |
| EmS No. | F-E, S-E |
| Description | Tars, liquid,UN1999,PG III |

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| 15. REGULATORY INFORMATION |
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International Inventories

| Chemical Name | TSCA | DSL | NDSL | EINECS | ELINCS | ENCS | CHINA | KECL | PICCS | AICS |
|------------------|------|-----|------|--------|--------|------|-------|------|-------|------|
| Stoddard solvent | X | X | - | X | - | - | X | X | X | X |

| Chemical Name | TSCA | DSL | NDSL | EINECS | ELINCS | ENCS | CHINA | KECL | PICCS | AICS |
|-----------------------------|------|-----|------|--------|--------|------|-------|------|-------|------|
| Petroleum Asphalt | X | X | - | X | - | - | X | X | X | X |
| Calcium Carbonate | X | - | X | X | - | - | X | X | X | X |
| Magnesium Carbonate | X | X | - | X | - | X | X | X | X | X |
| Hydrous Alumino Silicate | - | - | - | - | - | - | X | - | X | X |
| Quartz (Crystalline Silica) | X | X | - | X | - | X | X | X | X | X |

| | |
|---------------|-----------------|
| TSCA | Complies |
| DSL | Does not Comply |
| NDSL | Does not Comply |
| EINECS | Does not Comply |
| ELINCS | Does not Comply |
| ENCS | Does not Comply |
| 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 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 |
|-----------------------------|---------------|------------|--------------|----------|--------------|
| Stoddard solvent | X | X | X | | X |
| Petroleum Asphalt | X | X | X | | X |
| Calcium Carbonate | X | | X | | X |
| Magnesium Carbonate | 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

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| 16. OTHER INFORMATION |
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Preparation Date 08-Dec-2006

Revision Date 17-May-2010

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