



Garlastic KM Plus

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Revision Date: 3/25/2020

Date of issue: 03/25/2020

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: Garlastic KM Plus

Product Code: 7352

Intended Use of the Product

Polymer Asphalt, Polymer Roofing Asphalt, Laminating Adhesive, Tab Adhesive

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)

Flam. Liq. 2	H225
Eye Irrit. 2A	H319
Carc. 2	H351

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Danger

Hazard Statements (GHS-US)

: H351 – Suspected of causing cancer.

H319 – Causes serious eye irritation.

H225 - Highly flammable liquid and vapor

Precautionary Statements (GHS-US)

: P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical/ventilating/lighting/equipment.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P281 - Use personal protective equipment as required.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313 - IF exposed or concerned: Get medical advice/attention.

P337 + P313 - If eye irritation persists: Get medical advice/attention.

P370 + P378 - In case of fire: Use for extinction.

P405 - Store locked up.

P501 – Dispose of contents/container to hazardous or special waste collection

Garlastic KM Plus

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

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Date of issue: 03/25/2020

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Asphalt	(CAS No) 8052-42-4	50-100	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 Carc. 2, H351
Distillates (Petroleum), Hydrotreated Heavy Naphthenic	(CAS No) 64742-52-5	0-30	
Other components below reportable levels			

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Discard any shoes or clothing items that cannot be decontaminated.

Inhalation: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention, if needed. Call a physician if symptoms develop or persist.

Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly wash (or discard) clothing and shoes before reuse.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Get medical attention if irritation develops and persists.

Ingestion: Rinse mouth. Do not induce vomiting. Do not use mouth-to-mouth method if victim ingested the substance. Call a POISON CENTER or doctor/physician if you feel unwell.

Indication of Immediate Medical Attention and Special Treatment Needed

In case of ingestion, the decision of whether or not to induce vomiting should be made by the attending physician. Certain pre-existing conditions may make workers particularly susceptible to the effects of this chemical: asthma, allergies, impaired pulmonary function.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂). Addition of water or foam to the fire may cause frothing.

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

Special Hazards Arising From the Substance or Mixture

Fire may produce irritating, corrosive and/or toxic gases. Development of hazardous combustion gases or vapors possible in the event of a fire. The following may develop: Acrolein.

Advice for Firefighters

Precautionary Measures Fire: Not available

Firefighting Equipment Instructions: In case of fire and/or explosion do not breathe fumes. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. ALWAYS stay away from tanks engulfed in flame. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. In the event of fire, cool tanks with water spray. By fire, toxic gases may be formed (CO_x, NO_x). Keep run-off water out of sewers and water sources. Dike for water control.

Special Protective Equipment and Precautions for Firefighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Firefighters should wear full protective clothing including self-contained breathing apparatus. Structural firefighters protective clothing will only provide limited protection.

Specific Methods: In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers.

Reference to Other Sections

Refer to section 9 for flammability properties.

Garlastic KM Plus

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations
Revision Date: 3/25/2020 Date of issue: 03/25/2020

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Ventilate closed spaces before entering them. Do not touch or walk through spilled material.

For Non-Emergency Personnel

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

Emergency Procedures: Evacuate unnecessary personnel. Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Runoff or release to sewer, waterway or ground is forbidden.

Methods and Materials for Containment and Cleaning Up

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Dike far ahead of spill for later disposal. Flush area with water following product recovery. Never return spills in original containers for re-use.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: The product is non-combustible. If heated, irritating vapors may be formed. Do not use in areas without adequate ventilation. Wash hands thoroughly after handling. Wash hands after handling. Observe good industrial hygiene practices.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a well-ventilated place. Keep the container tightly closed and dry. Store in a closed container away from incompatible materials. Keep out of the reach of children.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Asphalt (8052-42-4)		
USA ACGIH	ACGIH TWA (mg/m ³)	0.5 mg/m ³
USA NIOSH	NIOSH REL (ceiling) (mg/m ³)	5 mg/m ³

Distillates (Petroleum), Hydrotreated Heavy Naphthenic (64742-52-5)		
USA OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³
USA NIOSH	NIOSH REL (ceiling) (mg/m ³)	5 mg/m ³

Exposure Controls

Appropriate Engineering Controls: Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Personal Protective Equipment: On heating: wear respiratory equipment. Protective clothing. Protective goggles. Gloves.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Garlastic KM Plus

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Revision Date: 3/25/2020

Date of issue: 03/25/2020

Hand Protection: Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves.

Eye Protection: Wear safety glasses; chemical goggles (if splashing is possible). Wear chemical goggles; face shield (if handling molten material).

Skin and Body Protection: Not available

Respiratory Protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Other Information: Wear suitable protective clothing and eye/face protection. Use of an impervious apron is recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	: Solid
Color	: Black. Dark brown.
Odor	: Product is a black, semi-solid with a burnt tar odor.
Auto-Ignition Temperature	: > 700 °F (> 371.11 °C)
Melting Point/Freezing Point	: 150 - 250 °F (65.56 - 121.11 °C) ASTM D36 Softening Point
Initial Boiling Point & Boiling Range	: > 800 °F (> 426.67 °C)
Flash Point	: > 400.0 °F (> 204.4 °C)
Evaporation Rate (Butyl Acetate = 1)	: Not available
Flammability (solid, gas)	: Not available
Flammability Limits in Air	: Lower: No test data available; Upper: No test data available
Vapor Pressure	: Not available
Vapor Density (Air = 1)	: No test data available
Specific Gravity (H ₂ O = 1)	: 1-1.9
Solubility in Water (by wt)	: Insoluble
Viscosity	: Not available
Explosive Properties	: Not explosive

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Not available.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur.

Conditions to Avoid: Strong oxidizing agents.

Incompatible Materials: Incompatible with oxidizing agents.

Hazardous Decomposition Products: Upon decomposition, product emits acrid dense smoke with carbon dioxide, carbon monoxide, trace oxides of nitrogen and sulfur, and water.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

LD50 and LC50 Data: Not available

Acute Toxicity: Not classified

Skin Corrosion/Irritation: Defats the skin. Causes irritation.

Serious Eye Damage/Irritation: Irritating to eyes.

Respiratory or Skin Sensitization: Not available

Germ Cell Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Specific Target Organ Toxicity (Repeated Exposure): Not available

Specific Target Organ Toxicity (Single Exposure): Not available

Aspiration Hazard: Not available

Symptoms/Injuries After Inhalation: May cause cancer by inhalation.

Garlastic KM Plus

Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

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Date of issue: 03/25/2020

Symptoms/Injuries After Skin Contact: Causes skin irritation.

Symptoms/Injuries After Eye Contact: Causes serious eye irritation.

Symptoms/Injuries After Ingestion: May be fatal if swallowed and enters airways.

Chronic Symptoms: Prolonged inhalation may be harmful. May cause eczema-like skin disorders (dermatitis).

Information on Toxicological Effects – Ingredient(s)

LD50 and LC50 Data

Asphalt (8052-42-4)	
LD50 Oral Rat	>5000 mg/kg
LD50 Dermal Rabbit	>2000 mg/kg
IARC Group	2B
National Toxicity Program Status	Twelfth Report- Items under consideration

Distillates (Petroleum), Hydrotreated Heavy Naphthenic (64742-52-5)	
LD50 Oral Rat	>5000 mg/kg
LD50 Dermal Rabbit	>5000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

This product has no known eco-toxicological effects. Not expected to be harmful to aquatic organisms.

Persistence and Degradability

General – Not available

Mobility in Soil

Mobility in Soil: Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of contents/container in accordance with local/regional/national/international regulations. When this product as supplied is to be discarded as waste, it does not meet the definition of a RCRA waste under 40 CFR 261.

Unused and Contaminated Product: Offer rinsed packaging material to local recycling facilities.

SECTION 14: TRANSPORT INFORMATION

DOT: Not regulated as dangerous goods.

IATA: Not regulated as dangerous goods.

IMDG: Not regulated as dangerous goods.

Transport in bulk according to: Not available.

Annex II of MARPOL 73/78 and the IBC Code: Not available.

Further information: If the product is shipped at ambient temperature, not regulated for transport by ground, air or vessel. If shipped above 212 deg F: "UN3257, Elevated Temperature Liquid, n.o.s. (Asphalt mixture), 9, PG III"

SECTION 15: REGULATORY INFORMATION

US federal regulations: All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4):

ASPHALT (CAS 8052-42-4) Listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories: Immediate Hazard - No

Delayed Hazard - No

Garlastic KM Plus

Safety Data Sheet

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Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312

No

Hazardous chemical

No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations:

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

(SDWA)

Not regulated.

US state regulations: WARNING: This product contains a chemical known to the State of California to cause cancer.

US. Massachusetts RTK - Substance List

ASPHALT (CAS 8052-42-4)

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC (CAS 64742-52-5)

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

ASPHALT (CAS 8052-42-4)

5 / 7

Material name: Polymer Asphalt, Polymer Roofing Asphalt, Laminating Adhesive, Tab Adhesive

4998 Version #: 01 Issue date: 01-09-2015

SDS US

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

ASPHALT (CAS 8052-42-4) Listed: January 1, 1990

International Inventories:

Country(s) or region Inventory name On inventory (yes/no)*

Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

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*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION 16: OTHER INFORMATION

Revision Date	: 03/25/2020 – Updated manufacturer
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

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.