



D-Grip Part B

Safety Data Sheet

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

Revision Date: N/A

Date of Issue: 09/22/2025

Version1.0

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Paste

Product Name: D-Grip Part B

Product Code: DD-Gr5-B01

Intended Use of the Product

Polyurethane/Polyurea Traffic Coating

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

The Garland Company, Inc.
209 Carrier Drive
Toronto, Ontario M9W 5Y8
T-416-747-7995 ; 800-387-5991
F-416-747-1980

Emergency Telephone Number

Emergency Number: 1-800-262-8200 (CHEMTREC)

SECTION 2: HAZARDS IDENTIFICATION

Classification (GHS-US)

Acute Tox. Oral 4	H302
Acute Tox. Dermal 4	H312
Eye Damage 2A	H319
STOT RE 2	H373
Aqua. Acute 1	H400
Aqua. Chronic 1	H410

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US) :



Signal Word (GHS-US) : Danger

Hazard Statements (GHS-US) :

- H302 - Harmful if swallowed
- H312-Harmful in contact with skin
- H319-Causes serious eye irritation
- H373-May cause damage to organs through prolonged or repeated exposure if conclusively proven that no other route applies
- H400-Very toxic to aquatic life
- H410-Very toxic to aquatic life with long lasting effects

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Precautionary Statements (GHS-US) :

- P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 - Wash face, hands and any exposed skin thoroughly after handling
- P273 - Avoid release to the environment. P280 - Wear eye protection, face protection, protective clothing, protective gloves
- P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
- P314 - Get medical advice/attention if you feel unwell.
- P322 - Specific measures (see Sec. 5 on this SDS).
- P337 + P313 - If eye irritation persists: Get medical advice/attention.
- P391 - Collect spillage.
- P501 - Dispose of contents/container according to local, regional, national, and international regulations

Emergency and Hazards Overview:

Combustible clear liquid. In confined spaces or areas with inadequate ventilation or exhaust, vapors may accumulate. Vapors are heavier than air and may travel to distant sources. Harmful if swallowed or inhaled. Overexposure to vapors may cause dizziness, headache, and nausea. The product can cause allergic reaction and irritation of nose, throat and lungs.

HMIS Ratings

Health 2	Flammability 1	Reactivity 1	Protection G
Primary Route of Exposure: Skin x	Inhalation x	Eye x	Ingestion x

Health Effect Information

Eye Contact: May injure eye tissue if wiped or rubbed into eyes.

Skin Contact: Corrosive. May cause burns or skin damage if left on the skin.

Inhalation: High concentrations of mist may cause nausea, headache, dizziness, weakness or fatigue. Vapors may cause respiratory tract irritation.

Ingestion: Moderately toxic. Irritation or chemical burns of the mouth, esophagus and stomach can develop following ingestion and injury may be severe.

Medical Conditions Aggravated by Exposure: Prolonged exposure to amines may aggravate allergic reactions. to nose, throat and lungs.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component

Hazardous Components	CAS	Wt. % Range	Classification (GHS)
4,4' - Methylenebis (N-secbutylcyclohexanamine)	154279-60-4	≤ 25%	Acute Tox. 4 (Oral), H302 Acute Tox. Dermal 4, H312 Eye Damage 2A, H319 STOT RE 2, H373 Aqua. Acute 1, H400 Aqua. Chronic 1, H410
Aldimine	Trade Secret	≤ 99%	N/A

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

Eye Contact: Immediately flush with copious amounts of lukewarm water for at least 15 minutes. Have eyes examined and treated by medical personnel.

Skin Contact: Dry skin with paper towel or similar. Wash affected skin thoroughly with soap and water. Immediately remove contaminated clothing. Wash contaminated clothing before reuse. Get medical attention if any discomfort continues.

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Inhalation: Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

Ingestion: If swallowed, give 1 to 2 glasses of water to drink and contact a physician immediately. Do not induce vomiting. Decision to induce vomiting should only be made by a physician. Never give anything by mouth to an unconscious person.

Notes to Physician: This product contains a mixture of aliphatic polyamines. This raw material is a pulmonary sensitizer and skin sensitizer.

SECTION 5: FIRE-FIGHTING MEASURES

Flammable Properties

Flash Point: 200°F **Test Method:** TCC

Flame extension: NA **Test Method:** NA

Flammable Limits in Air

Upper Percent: NA

Lower Percent: NA

Autoignition Temperature: NA **Test Method:** NA

NEPA Classification: H 3 F 2 R 1

Extinguishing Media: Co2, foam or dry chemicals.

Fire Fighting Measures

Unusual Fire and Explosion Conditions: Vapors may be ignited by heat or sparks. Heat-exposed containers may burst. Material may collect static charges which can cause an incendiary electrical discharge. Empty container contains product residues. Do not pressurize, cut, weld, drill, grind or expose containers to heat flame, sparks, static electricity or other sources of ignition. They may explode and cause injury or death.

Hazardous Combustion By-Products: CO, CO2, Nox, HCN, unburned hydrocarbons.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personnel Safeguards: Immediately evacuate all non-essential personnel to safe places. Emergency responders should wear proper protective gear before entering the affected area. Observe all precautions noted above.

Regulatory Notifications: Waste of this product is defined as hazardous according to U.S. EPA. Spill reporting requirements and reportable quantities vary by region. Consult all applicable state and local regulations. For Canada, observe all precautions noted above.

Containment and Clean up: Remove all sources of ignition. Avoid sparks, flames, heat and smoking.

Ventilate. Stop leak if possible without risk. Prevent liquids from entering sewers, drains or waterways by diking with sand or earth.

Absorb with vermiculite or other absorbent material, then flush area with soap and water. Put all waste in open drums.

SECTION 7: HANDLING AND STORAGE

Handling: Eliminate all ignition sources such as fire, flames, sparks, ect. Provide good ventilation. Avoid prolonged contact with the skin. Use solvent resistant gloves. Avoid rubbing eyes while handling.

Storage: Store in cool, dry, ventilated space away from direct sunlight. Keep away from heat, sparks, and any open source of flames. Store at 10-30° C.

Empty Container Warnings

Drums: Do not reuse empty containers. Do not cut, drill, grind or weld on or near the empty pail or drum.

Plastic: Not applicable

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits

Component	CAS No.	Exposure Limit
4,4' – Methylenebis (N-secbutylcyclohexanamine)	154279-60-4	NO DATA
Aldimine	Trade Secret	NO DATA

Personal Protective Equipment

Eye/Face Protection: Wear safety goggles

Skin Protection: Use solvent resistant gloves.

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Respiratory Protection: When using spray application, use MSHA/NIOSH approved positive pressure supplied air respirator with a full-face piece during application. After application use CCR (Chemical Cartridge Respirator).

Personal Hygiene: Avoid rubbing eyes during handling. Wear chemical tight goggles or full face shield. Use good personal hygiene practices to avoid incidental ingestion.

Engineering Controls/Work Practices

Ventilation: Provide local exhaust or area ventilation to maintain concentration of vapors below TLV

Use explosion proof ventilation equipment. When used with the base resin or other coatings, take care not to draw vapors into occupied office areas or areas with inhabitants.

Other: Source of clean water should be available in the work area for flushing eyes and skin. Wash thoroughly with soap and water after use and before eating, smoking and using toilet.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Appearance:	Octanol/Water Coefficient: Log K _{OW} = NA
Odor: Amine odor	Vapor Pressure: NA
Physical state: Liquid	Vapor Density (air=1): > air
pH: Not applicable	Percent Volatile by Volume: NA
DOT Corrosivity: Corrosive, N.o.s.	Volatile Organic Content: 0 g/L
Boiling Point: Greater than 200 C @ 53 mm Hg	Molecular Weight: NA
Melting Point: N/A	Average Carbon Number: NA
Specific Gravity: 0.98	Viscosity @ 100° F: NA
Pour Point: NA	Viscosity@ 40° C: NA
Solubility in Water: negligible	Flash Point: 200 F

SECTION 10: STABILITY AND REACTIVITY

Conditions to Avoid: Avoid contact with strong oxidizing materials and bases. Avoid contact with water.

Incompatible: Strong oxidizers. Alkali metals. Reacts with water.

Stability: Stable under normal conditions. Avoid heat, sparks, flames

SECTION 11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects – Product

Primary Eye Irritation: Irritating

Primary Skin Irritation: Irritating

Acute Dermal Toxicity: NA

Subacute Dermal Toxicity: NA

Dermal Sensitization: NA

Inhalation Toxicity: NA

Inhalation Sensitization: NA

Oral Toxicity: Mutagenicity: NA

Carcinogenicity: NA.

Reproductive Toxicity: NA

Teratogenicity: NA

Immunotoxicity: NA

Neurotoxicity: NA

Other: NA

No other toxicological information available

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity: Not known.

Terrestrial Toxicity: Not known

Chemical Fate and Transport: Not known.

No other ecological information available

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SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Waste generation should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Unused and Contaminated Product: Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labeled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT

Proper Shipping Name	: Corrosive Liquid, N.O.S. (Contains Amine)
Hazard Class	: 8
Identification Number	: UN 1760
Packing Group	: III

14.2 In Accordance with IMDG

Proper Shipping Name	: Corrosive Liquid, N.O.S. (Contains Amine)
Hazard Class	: 8
Identification Number	: UN 1760
Packing Group	: III
Marine Pollutant	:

14.3 In Accordance with IATA

Proper Shipping Name	: Corrosive Liquid, N.O.S. (Contains Amine)
Hazard Class	: 8
Identification Number	: UN 1760
Packing Group	: III

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

U.S. TSCA Inventory: All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

CERCLA – SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA Hazard Categories promulgated under Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: **Immediate Health Hazard** **Chronic Health Hazard**

SARA Section 302:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA Section 313:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Ozone-Depletion Potential:

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

California Proposition 65:

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WARNING! This product contains chemicals such as carbon black known in the State of California to cause cancer

International Regulations: as follows –

Canadian WHMIS: This product has been classified in accordance with hazard criteria of the Controlled Products Regulations (CPR). This SDS contains all the information required by the CPR.

Health and Environmental Label Language

All ingredients contained in this product are included on the US EPA Toxic Substances Control Act (TSCA) inventory or exempt from listing on the TSCA inventory. All ingredients contained in this product comply with the requirements of the Canadian Environmental Protection Act (CEPA) and are listed on the Domestic Substance List (DSL) or Non-Domestic Substance List (NDSL)

Canadian WHMIS Classification

Class: B

Division: 3

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations (CPR). This MSDS contains all the information required by the CPR

SECTION 16: OTHER INFORMATION

Revision Date : 09/22/2025

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.
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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.

North America GHS US 2018 & WHMIS