



D-Guard Part A

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-Guard Part A

Product Code: DD-Gu5-A01

Intended Use of the Product

Polyurethane/Polyurea Waterproofing Membrane

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)

Sens. Skin 1	H317
Eye Damage 1	H318
Acute Tox. Inhal. 4	H332
Resp. Sens. 1	H334
Carcin. 2	H351

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US) :



Signal Word (GHS-US) : Danger

Hazard Statements (GHS-US) :

- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H351 Suspected of causing cancer

D-Guard Part A

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

Precautionary Statements (GHS-US) :

P201 Obtain special instructions before use.

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

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear eye protection/ face protection.

P280 Wear protective gloves.

P281 Use personal protective equipment as required.

P285 In case of inadequate ventilation wear respiratory protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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.

P310 Immediately call a POISON CENTER or doctor/physician.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant

P405 - Store locked up

P501 - Dispose of contents/container according to local, regional, national, and international regulations

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component

Hazardous Components	CAS No.	Classification (GHS-US)
*Aliphatic Isocyanate	4098-71-9	Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Inhalation:dust,mist), H330
Aliphatic Urethane Prepolymer	Proprietary	
Titanium Dioxide	13463-67-7	Skin Irrit. 2, H315

*Indicates toxic chemicals subject to the reporting requirements of section 313 of Title III and of 40 CFR 372. Information concerning non-hazardous ingredients is considered a trade secret.

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

If inhaled: Move to fresh air. Consult a physician after significant exposure.

In case of skin contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of

D-Guard Part A

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

water. If symptoms persist, call a physician.

In case of eye contact: Small amounts splashed into eyes can cause irreversible tissue damage and blindness.

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Keep eye wide open while rinsing.

If swallowed: Clean mouth with water and drink afterwards plenty of water.

Induce vomiting immediately and call a physician.

Do NOT induce vomiting.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed: Asthmatic appearance. Respiratory disorder.

Allergic reactions. Excessive lachrymation. Headache. See Section 11 for more detailed information on health

Effects and symptoms. sensitizing effects

Protection of first-aiders: Move out of dangerous area. Consult a physician. Show this material safety data sheet to the doctor in attendance.

Notes to physician: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific extinguishing methods: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment.

Deny access to unprotected persons.

Environmental precautions: Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform. Respective authorities. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Handling: Avoid formation of aerosol. Do not breathe vapors or spray mist. Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Follow standard hygiene measures when handling chemical products.

Storage: Store in original container. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Store in accordance with local regulations.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Engineering Controls: Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Respiratory Protection: Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Other Protective Equipment: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary. Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Hygiene Practices: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas. Wash

D-Guard Part A

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

thoroughly after handling.

Occupational Exposure Limits

EXPOSURE LIMIT			
ITEM	Basis	Value	Exposure limits / Form of exposure
Titanium Dioxide	ACGIH	TWA	10 mg/m3
	OSHA P0	TWA	10 mg/m3 total
	OSHA Z-1	TWA	15 mg/m3 total dust
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	ACGIH	TWA	0.005 ppm
	OSHA P0	TWA	0.005 ppm
	OSHA P0	STEL	0.02 ppm

*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

**Basis

ACGIH. Threshold Limit Values (TLV)

OSHA P0. Table Z-1, Limit for Air Contaminant (1989 Vacated Values)

OSHA P1. Permissible Exposure Limits (PEL), Table Z-1, Limit for Air Contaminant

OSHA P2. Permissible Exposure Limits (PEL), Table Z-2

OSHA Z3. Table Z-3, Mineral Dust

Appropriate Engineering Controls: Provide adequate ventilation. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

Hand Protection: Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resistant degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

Eye/Face Protection: Wear eye/face protection. Wear as appropriate: Safety glasses with side shields; Tightly fitting safety goggles. A full face shield may also be necessary.

Skin Protection: Wear protective gloves/clothing. Wear as appropriate: Neoprene; Nitrile rubber. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Wear apron or protective clothing in case of contact.

Hygiene Measures: Wash after use and before eating, smoking, and using the toilet. Do not eat, drink, or smoke when using this product.

Respiratory Protection: If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4 Z94.4-02. Advice should be sought from respiratory protection specialists.

Environmental Exposure Controls: Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Appearance: Liquid	Octanol/Water Coefficient: Log Kow = NA
Odor: Characteristic	Vapor Pressure: NA
Physical state: Liquid	Vapor Density (air=1): NA
pH: Not applicable	Percent Volatile by Volume: NA

D-Guard Part A

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

DOT Corrosivity: Not applicable	Volatile Organic Content: 15 g/L
Boiling Point: Not tested	Molecular Weight: NA
Melting Point: Combination AB is >300 F	Average Carbon Number: NA
Specific Gravity: NA	Viscosity @ 100° F: NA
Pour Point: NA	Viscosity@ 40° C: NA
Solubility in Water: Slightly soluble in water	Flash Point: >201 F

SECTION 10: STABILITY AND REACTIVITY

Conditions to Avoid: No data available

Incompatible: No data available

Hazardous decomposition products: No data available

Stability: This product is stable under normal storage conditions

SECTION 11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects – Product

Product:

Acute oral toxicity: no data available

Acute inhalation toxicity: Harmful if inhaled.

Acute dermal toxicity: no data available

Ingredients:

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate :

Acute oral toxicity: LD50 Oral rat: 4,814 mg/kg

Acute inhalation toxicity: LC50 rat: 0.031 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Acute dermal toxicity: LD50 Dermal rat: > 7,000 mg/kg

Skin corrosion/irritation

Product

no data available

Serious eye damage/eye irritation

Product

Causes serious eye damage.

Respiratory or skin sensitization

Product

May cause an allergic skin reaction.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ cell mutagenicity

Product

Mutagenicity : no data available

Carcinogenicity

Product

Carcinogenicity : Suspected of causing cancer.

IARC Group 2B: Possibly carcinogenic to humans

titanium dioxide 13463-67-7

NTP not applicable

Reproductive Toxicity/Fertility

Product Reproductive toxicity: no data available

Reproductive Toxicity/Development/Teratogenicity

Product Teratogenicity: no data available

STOT-single exposure

Product Assessment: no data available

STOT-repeated exposure

D-Guard Part A

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

Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Product Assessment: no data available

Aspiration toxicity Product no data available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Aquatic Toxicity:	Not known.
Terrestrial Toxicity:	Not known
Chemical Fate and Transport:	Not known.
Ecological information:	Toxic to fish and other water organisms

Other information: Do not empty into drains; dispose of this material and its container in a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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	: Not dangerous goods
Hazard Class	: Not dangerous goods
Identification Number	: Not dangerous goods
Packing Group	: Not dangerous goods

14.2 In Accordance with IMDG

Proper Shipping Name	: Not dangerous goods
Hazard Class	: Not dangerous goods
Identification Number	: Not dangerous goods
Packing Group	: Not dangerous goods
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	: Not dangerous goods

14.3 In Accordance with IATA

Proper Shipping Name	: Not dangerous goods
Hazard Class	: Not dangerous goods
Identification Number	: Not dangerous goods
Packing Group	: Not dangerous goods

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

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

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**

Toxic Substances Control Act:

D-Guard Part A

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**

This product does not contain chemical substances subject to the reporting requirements of TSCA 12 (B) if exported from the United States:

SARA Section 313:

This product contains the following Sara, Title III, Section 313 Chemicals:

The following components are subject to reporting levels established by SARA Title III, Section 313:

3-isocyanatomethyl-3,5,5- trimethylcyclohexyl isocyanate

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:

There are no detectable components of this product that are substances, or belong to classes of substances, known to the State of California to cause cancer and/or reproductive toxicity.

International Regulations: as follows –

Canadian WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations Except for use of the 16 headings.

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)

HMIS ratings – Health: 3

Flammability: 1

Reactivity: 0

Personal Protection: G

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.
3800 East 91st 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.

North America GHS US 2018 & WHMIS