KEE-Lock Spatter Spray 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: 03/14/2023

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: KEE-Lock Spatter Spray Part A

Product Code: 7370-10-A

Intended Use of the Product

Adhesive For professional use only.

Name, Address, and Telephone of the Responsible Party

Manufacturer	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. 3800 East 91st Street Cleveland, Ohio 44105-2197 T-800-762-8225 F-216-641-0633	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 of the Substance or Mixture

Classification (GHS-US)

Press Gas	H280
Resp Sens 1	H334
Carcinogen 2	H351
STOT RE 2	H373
Acute Tox 4	H332
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Skin Sens. 1	H317
STOTE SE 3	H335
Aquat. Chronic 3	H412

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US) :

Signal Word (GHS-US) : Danger

Hazard Statements (GHS-US) : H280 Contains gas under pressure; may explode if heated.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.
H332 Harmful if inhaled.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements (GHS-US) : Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
[In case of inadequate ventilation] wear respiratory protection.
If on skin: Wash with plenty of water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Call a poison center/doctor if you feel unwell.
Specific treatment (see on this label).
Get medical advice/attention if you feel unwell.
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
If experiencing respiratory symptoms: Call a poison center/doctor.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Protect from sunlight. Store in a well-ventilated place.
Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Mixture

Name	Product identifier	% (w/w)
diphenylmethanediisocyanate,isomeres and homologues{polymer exempt)	9016-87-9	50-100
4,4'-methylenediphenyl diisocyanate (MDI)	101-68-8	25-50
methylenediphenyl diisocyanate	26447-40-5	2.5-10
trans-1-Chloro-3,3,3-trifluoropropene	102687-65-0	2.5-10

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

Inhalation: Call a doctor immediately. 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.

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

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

Ingestion: If swallowed, rinse mouth with water 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.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: CO2, extinguishing powder or water spray. Fight larger fires with water spray. CO2, sand, extinguishing powder. Do not use water.

Special Hazards Arising From the Substance or Mixture

Avoid inhalation of material or combustion by-products.

Advice for Firefighters

Avoid inhalation of material or combustion by-products.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Evacuate all non-essential personnel to safe places. Wear eye, skin and respiratory protection during cleanup. For major spills, emergency responders should wear positive pressure supplied air respirator with full face piece and proper protective gear before entering the affected area. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

For Non-Emergency Personnel

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

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

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

Emergency Procedures: Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and Material for Containment and Cleaning Up

Remove all sources of ignition. Dispose of contaminated material as waste in accordance with federal state and local regulations. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents

Reference to Other Sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Do not spray on a naked flame or any incandescent material. Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

Conditions for Safe Storage, Including Any Incompatibilities

Requirements to be met by storerooms and receptacles:

Empty containers may contain hazardous residuals. Keep away from heat, sparks and open flame. DO NOT cut, drill, puncture, weld or grind on or near full, partially full or empty product containers. Store in a cool location away from direct heat. Observe official regulations on storing packagings with pressurized containers.

Information about storage in one common storage facility:

Keep away from open flames and high temperatures. Store away from oxidizing agents.

Further information about storage conditions:

Keep away from heat, spark and flame. Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Component	CAS No.	Exposure Limit
4,4'-methylenediphenyl diisocyanate (MDI)	101-68-8	PEL Ceiling limit value: 0.2 mg/m³, 0.02 ppm REL Long-term value: 0.05 mg/m³, 0.005 ppm Ceiling limit value: 0.2* mg/m³, 0.02* ppm *10-min TLV Long-term value: 0.051 mg/m³, 0.005 ppm

Exposure Controls

Appropriate Engineering Controls: Provide local exhaust or area ventilation to maintain concentration of vapors below TLV Use explosion proof ventilation equipment. Take care not to draw vapors into occupied office areas or enclosed areas with inhabitants.

Personal Protective Equipment: Protective goggles. Gloves. Protective clothing.

Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Use solvent resistant gloves and long sleeved clothing.

Respiratory Protection: If airborne concentrations exceed or are expected to exceed the TLV, use MSHA/NIOSH approved positive pressure supplied air respirator with a full-face piece during application. After application use CCR (Chemical Cartridge Respirator) until material is cured.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink or smoke during use Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	:	Aerosol
Appearance	:	Amber
Odor	:	Aromatic
pH	:	Not applicable
Boiling Point	:	Not applicable
Flash Point	:	Not applicable
Vapor Pressure	:	Not determined
Ignition Temperature	:	260 °C (500 °F)
Relative Vapor Density at 20 °C	:	> air
Relative Density	:	Not available
Solubility in Water	:	Reacts slowly with water
Specific Gravity	:	1.23
VOC	:	<50 g/L

SECTION 10: STABILITY AND REACTIVITY

Reactivity Stable under recommended storage conditions.

Thermal decomposition / conditions to be avoided:

Contact with moisture, other materials that react with isocyanates, or temperatures above 350F (177C), may cause polymerization.Avoid heat, flames, sparks.

Possibility of hazardous reactions:

MDI reacts slowly with water to form Carbon Dioxide gas. The gas can cause sealed containers to expand andpossibly rupture.

Conditions to avoid: Heat, flames, sparks. Moisture

Incompatible materials: Reacts with oxidizing agents.Water reactive, keep away from contact with water.

Hazardous decomposition products: Carbon dioxide**,** Hydrocarbons.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects – Product

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

110-82-7 cyclohexane: Oral LD50 12,705 mg/kg (rat)

Primary irritant effect:

On the skin: Skin irritant. Irritant to skin and mucous membranes.

On the eye: Causes serious eye irritation. Vapors may be irritating to the eyes. Irritating effect.

Sensitization:

Skin Contact - May cause allergic skin reaction.

Inhalation - Sensitization possible through inhalation.

Skin Contact - Sensitization possible through skin contact.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Irritant

Carcinogenic categories

IARC (International Agency for Research on Cancer) Category 3

9016-87-9 diphenylmethanediisocyanate,isomeres and homologues{polymer exempt)

101-68-8 4,4'-methylenediphenyl diisocyanate (MDI)

NTP (National Toxicology Program)

None of the ingredients is listed.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Ecotoxical effects:

Remark: Toxic for fish

Additional ecological information:

General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Toxic for aquatic organisms

Water hazard class 2 (Self-assessment): hazardous for water

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects *No further relevant information available.*

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Additional Information: Mix the chemical with an inert material such as sand, vermiculite, etc. and place in a suitable container. Dispose of in accordance with Local Authority requirements.

Ecology – Waste Materials: Avoid release to the environment. Hazardous waste due to toxicity.

SECTION 14: TRANSPORT INFORMATION

DOT Proper Shipping Name: UN 3500, Chemical under pressure, n.o.s. (trans-1-Chloro-3,3,3-trifluoropropene), 2.2
IATA Proper Shipping Name: UN 3500, Chemical under pressure, n.o.s. (trans-1-Chloro-3,3,3-trifluoropropene), 2.2
IMO Proper Shipping Name: UN 3500, Chemical under pressure, n.o.s. (trans-1-Chloro-3,3,3-trifluoropropene), 2.2
IMDG Proper Shipping Name: UN 3500, Chemical under pressure, n.o.s. (trans-1-Chloro-3,3,3-trifluoropropene), 2.2
MARINE POLLUTANT

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

Section 355 (extremely hazardous substances):

None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):

CAS	Product Name
9016-87-9	diphenylmethanediisocyanate,isomeres and homologues{polymer exempt)
101-68-8	4,4'-methylenediphenyl diisocyanate (MDI)

TSCA (Toxic Substances Control Act):

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

Hazardous Air Pollutants

101-68-8 4,4'-methylenediphenyl diisocyanate (MDI)

Carcinogenicity categories

EPA (Environmental Protection Agency)

CAS	Product Name	Category
9016-87-9	diphenylmethanediisocyanate,isomeres and homologues{polymer exempt)	CBD
101-68-8	4,4'-methylenediphenyl diisocyanate (MDI)	D, CBD

TLV (Threshold Limit Value)

None of the ingredients listed.

MAK (German Maximum Workplace Concentration) category 4

CAS	Product Name
9016-87-9	diphenylmethanediisocyanate,isomeres and homologues{polymer exempt)
101-68-8	4,4'-methylenediphenyl diisocyanate (MDI)

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

National regulations:

Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision date : 03/14/2023

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-800-762-8225
F-216-641-0633
www.garlandco.com

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 2019 & WHMIS

KEE-Lock Spatter Spray 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: 03/14/2023

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: KEE-Lock Spatter Spray Part B

Product Code: 7370-10-B

Intended Use of the Product

Adhesive For professional use only.

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

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 of the Substance or Mixture

Classification (GHS-US)

Press Gas	H280
Muta. 2	H341
Repr. 1B	H360
STOT RE 1	H372
Skin Sens. 1	H317
Aquat. Acute 3	H402
Aquat. Chronic 3	H412

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US) :

Signal Word (GHS-US) : Danger

Hazard Statements (GHS-US) : H280 Contains gas under pressure; may explode if heated.
H341 Suspected of causing genetic defects.
H360 May damage fertility or the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.
H317 May cause an allergic skin reaction.
H402 Harmful to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements (GHS-US) : Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing must not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin: Wash with plenty of water.

IF exposed or concerned: Get medical advice/attention.
Specific treatment (see on this label).
Get medical advice/attention if you feel unwell.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Store locked up.
Protect from sunlight. Store in a well-ventilated place.
Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Mixture

Name	Product identifier	% (w/w)
Polyether Polyol	25322-69-4	70-90
2,2'-oxybisethanol	111-46-6	2.5-10
trans-1-Chloro-3,3,3-trifluoropropene	102687-65-0	2.5-10
dibutylbis(dodecylthio)stannane	1185-81-5	<2.5

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).
Inhalation: Call a doctor immediately. Overexposure, remove to fresh air and seek medical attention.
Skin Contact: Immediately wash with water and soap and rinse thoroughly.
Eye Contact: Immediately flush with copious amounts of lukewarm water for at least 15 minutes. Have eyes examined and treated by medical personnel.
Ingestion: Seek medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: CO2, foam or dry chemicals.

Special Hazards Arising From the Substance or Mixture

No further information is available

Advice for Firefighters

Protective equipment: Protective clothing and respiratory protective device.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Evacuate all non-essential personnel to safe places. Wear eye, skin and respiratory protection during cleanup. For major spills, emergency responders should wear positive pressure supplied air respirator with full face piece and proper protective gear before entering the affected area. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).
Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).
Emergency Procedures: Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and Material for Containment and Cleaning Up

Remove all sources of ignition. Dispose of contaminated material as waste in accordance with federal state and local regulations. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents

Reference to Other Sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Open and handle receptacle with care.

Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

Conditions for Safe Storage, Including Any Incompatibilities

Requirements to be met by storerooms and receptacles:

Empty containers may contain hazardous residuals. Keep away from heat, sparks and open flame. DO NOT cut, drill, puncture, weld or grind on or near full, partially full or empty product containers. Store in a cool location away from direct heat. Observe official regulations on storing packagings with pressurized containers.

Information about storage in one common storage facility:

Keep away from open flames and high temperatures. Store away from oxidizing agents.

Further information about storage conditions:

Keep away from heat, spark and flame. Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.

Specific end use(s) No further relevant information available..

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Component	CAS No.	Exposure Limit
2,2'-oxybisethanol	111-46-6	*WEEL Long-term value: 10 mg/m³*

Exposure Controls

Appropriate Engineering Controls: Provide local exhaust or area ventilation to maintain concentration of vapors below TLV Use explosion proof ventilation equipment. Take care not to draw vapors into occupied office areas or enclosed areas with inhabitants.

Personal Protective Equipment: Protective goggles. Gloves. Protective clothing.

Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Use solvent resistant gloves and long sleeved clothing.

Respiratory Protection: If airborne concentrations exceed or are expected to exceed the TLV, use MSHA/NIOSH approved positive pressure supplied air respirator with a full-face piece during application. After application use CCR (Chemical Cartridge Respirator) until material is cured.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink or smoke during use

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State : Aerosol

Appearance	:	Hazy
Odor	:	Slightly Sweetish
pH	:	Not applicable
Boiling Point	:	Not applicable
Flash Point	:	Not applicable
Vapor Pressure	:	Not determined
Relative Vapor Density at 20 °C	:	Not determined
Relative Density	:	Not available
Solubility in Water	:	Slightly soluable
Specific Gravity	:	1.00
VOC	:	<50 g/L

SECTION 10: STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided:

Stable under recommended storage conditions

Possibility of hazardous reactions:

Reacts with oxidizing agents

Conditions to avoid: Heat, flames, sparks. Moisture

Incompatible materials: Reacts with oxidizing agents.Water reactive, keep away from contact with water.

Hazardous decomposition products: Carbon monoxide and carbon dioxide, tin oxide

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects – Product

Information on toxicological effects

Acute toxicity: No data available

Primary irritant effect:

On the skin: May irritate the skin.

On the eye: May irritate the eye.

Sensitization:

Skin Contact - Sensitizing effect by skin contact is possible with prolonged exposure.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Irritant

Carcinogenic categories

IARC (International Agency for Research on Cancer)

None of the ingredients are listed.

NTP (National Toxicology Program)

None of the ingredients are listed.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Toxic for aquatic organisms.

Water hazard class 2 (Self-assessment): hazardous for water

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects *No further relevant information available.*

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Additional Information: Mix the chemical with an inert material such as sand, vermiculite, etc. and place in a suitable container. Dispose of in accordance with Local Authority requirements.

Ecology – Waste Materials: Avoid release to the environment. Hazardous waste due to toxicity.

SECTION 14: TRANSPORT INFORMATION

DOT Proper Shipping Name: UN 3500, Chemical under pressure, n.o.s. (trans-1-Chloro-3,3,3-trifluoropropene), 2.2

IATA Proper Shipping Name: UN 3500, Chemical under pressure, n.o.s. (trans-1-Chloro-3,3,3-trifluoropropene), 2.2

IMO Proper Shipping Name: UN 3500, Chemical under pressure, n.o.s. (trans-1-Chloro-3,3,3-trifluoropropene), 2.2

IMDG Proper Shipping Name: UN 3500, Chemical under pressure, n.o.s. (trans-1-Chloro-3,3,3-trifluoropropene), 2.2

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

Section 355 (extremely hazardous substances):

None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):

CAS	Product Name
9016-87-9	diphenylmethanediisocyanate,isomeres and homologues{polymer exempt)
101-68-8	4,4'-methylenediphenyl diisocyanate (MDI)

TSCA (Toxic Substances Control Act):

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

Hazardous Air Pollutants

None of the ingredients are listed.

Carcinogenicity categories

EPA (Environmental Protection Agency)

None of the ingredients are listed.

TLV (Threshold Limit Value)

None of the ingredients listed.

MAK (German Maximum Workplace Concentration)

None of the ingredients are listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients are listed.

National regulations:

Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision date : 03/14/2023

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

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Cleveland, Ohio 44105-2197
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www.garlandco.com

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 2019 & WHMIS