
Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

MiraSTOP SS

Product Use

Sealant and Adhesive

Restrictions on Use

For industrial use only.

Phone Numbers:

Medical Emergency

CHEMTREC (USA): 800-424-9300

MSDS Assistance: 972-442-6545

Technical Assistance: 888-229-2199

Customer Service: 888-229-0199

Manufacturer Information

Carlisle Coatings and Waterproofing, Inc.

900 Hensley Lane

Wylie, TX 75098

www.carlisleccw.com

Section 2 - HAZARDS IDENTIFICATION

Classification of the substance of mixture



GHS08 Health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Carc. 2 H351 Suspected of causing cancer.



GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

GHS Label Elements

The product is classified and labeled according to the Globally Harmonized System (GHS)

Symbol(s)



GHS08

Safety Data Sheet

Material Name: MiraSTOP SS

Product #: 334675

Signal Word

Danger

Hazard-determining components of labeling

diphenylmethanediisocyanate, isomeres and homologues

Hazard Statement(s)

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

May cause an allergic skin reaction.

Suspected of causing cancer.

Precautionary Statement(s)

Obtain special instructions before use.

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

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

Contaminated work clothing must not be allowed out of the workplace.

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

Wear protective gloves.

[In case of inadequate ventilation] wear respiratory protection.

IF ON SKIN: Wash with plenty of water.

If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.

IF exposed or concerned: Get medical advice/attention.

Specific treatment (see on this label).

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

If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

Wash contaminated clothing before reuse.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Other Hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization

Mixtures

Description

Mixture of the substances listed below with nonhazardous additions.

CAS	Component Name	Percent
108-32-7	Propylene carbonate	≤ 2.5%
9016-87-9	diphenylmethanediisocyanate, isomeres and homologues	≤ 2.5%

Section 4 - FIRST AID MEASURES

Description of Necessary Measures

Inhalation

Supply fresh air; consult doctor in case of complaints.

Skin Contact

Generally the product does not irritate the skin.

Eye Contact

Rinse opened eye for several minutes under running water.

Ingestion

If symptoms persist, consult a doctor.

Most Important Symptoms and Effects

Acute and Delayed

No further relevant information available.

Indication of Immediate Medical Attention and Special Treatment Needed

No further relevant information available.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Use fire fighting measures that suit the environment.

Special Hazards Arising from the Substance or Mixture

No further relevant information available.

Fire Fighting Measures

No special measures required.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Not required.

Environmental Precautions

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

Methods and Materials for Containment and Cleaning Up

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Safety Data Sheet

Material Name: MiraSTOP SS

Product #: 334675

Reference to Other Sections

See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

Protective Action Criteria for Chemicals

PAC-1:

108-32-7	propylene carbonate	34 mg/m ³
9016-87-9	diphenylmethanediisocyanate, isomeres and homologues	0.15 mg/m ³

PAC-2:

108-32-7	propylene carbonate	370 mg/m ³
9016-87-9	diphenylmethanediisocyanate, isomeres and homologues	3.6 mg/m ³

PAC-3:

108-32-7	propylene carbonate	2,200 mg/m ³
9016-87-9	diphenylmethanediisocyanate, isomeres and homologues	22 mg/m ³

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Ensure good ventilation/exhaustion at the workplace.
 Prevent formation of dust.

Information about Protection Against Explosions and Fires

Protect from heat.
 Protect against electrostatic charges.

Conditions for Safe Storage, Including any Incompatibilities Storage

Requirements to be Met by Storerooms and Receptacles
 No special requirements.

Information about Storage in One Common Storage Facility

Not required.

Further Information about Storage Conditions

Protect from heat and direct sunlight.

Specific End Use(s)

No further relevant information available.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Safety Data Sheet

Material Name: MiraSTOP SS

Product #: 334675

Component Parameters

Components with Limit Values that Require Monitoring at the Workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional Information

The lists that were valid during the creation were used as basis.

General Protective and Hygienic Measures

Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

Respiratory Protection

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

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.

Material of Gloves

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.

Penetration Time of Glove Material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye Protection

Not required.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pasty	Odor	Characteristic
Color	According to product specification.	Odor Threshold	Not determined.
pH-value	Not applicable.	Melting Point/Melting Range	Undetermined.
Boiling Point/Boiling Range	Undetermined.	Flash Point	Undetermined.
Flammability (solid gaseous)	Not determined.	Decomposition Temperature	Not determined.

Safety Data Sheet

Material Name: MiraSTOP SS

Product #: 334675

Auto Igniting	The product is not selfigniting.	Danger of Explosion	Product does not present an explosion hazard.
Explosion Limits Lower Upper	Not determined. Not determined.	Vapor Pressure	Not applicable.
Density at 20°C (68°F)	1.44 g/cm ³ (12.017 lbs/gal.	Relative Density	Not determined.
Vapor Density	Not applicable.	Evaporation Rate	Not applicable.
Solubility in / Miscibility with Water	Insoluble.	Partition coefficient (n-octanol/water)	Not determined.
Viscosity Dynamic Kinematic	Not applicable. Not applicable.	Solvent Content Organic Solvents VOC Content	2.0% 2.0% 0.0 g/l/ 0.00 lb/gl
Solids Content	100.0%		

Other Information

No further relevant information available.

Section 10 - STABILITY AND REACTIVITY

Reactivity

No further relevant information available.

Chemical Stability

Thermal Decomposition / Conditions to be Avoided

No decomposition if used according to specifications.

Possibility of Hazardous Reactions

No dangerous reactions known.

Conditions to Avoid

No further relevant information available.

Incompatible Materials

No further relevant information available.

Hazardous Decomposition Products

No dangerous decomposition products known.

Section 11 - TOXICOLOGICAL INFORMATION

Safety Data Sheet

Material Name: MiraSTOP SS

Product #: 334675

Information on Toxicological Effects

Acute and Chronic Toxicity

Component Analysis - LD/LC50 Values that are Relevant for Classification:

Hydrocarbons, C10-12, iso-alkanes, < 2% aromatics

Oral LD50 Rat >15,000 mg/kg

Dermal LD50 Rabbit >3,160 mg/kg

9016-87-9 diphenylmethanediisocyanate, isomeres and homologues

Oral LD50 Rat >10,000 mg/kg

Dermal LD50 Rabbit >9,400 mg/kg

Inhalative LC50/4 h Rat 0.49 mg/l

Primary Irritant Effect

Skin Contact

No irritant effect.

Eye Contact

No irritating effect.

Sensitization

Sensitization possible through inhalation.

Additional Toxicological Information

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

Harmful

Component Carcinogenicity

IARC:	9016-87-9	diphenylmethanediisocyanate, isomeres and homologues
NTP:	None of the ingredients is listed.	
OSHA-Ca:	None of the ingredients is listed.	

Section 12 - ECOLOGICAL INFORMATION

Component Analysis - Aquatic Toxicity

Component Analysis - Aquatic Toxicity

diphenylmethanediisocyanate, isomeres and homologues		9016-87-9
Aquatic:	EC50/24 h daphnia >1000 mg/l EC50/96 h fish >1000 mg/l EC50/72 h algae >1640 mg/l	

Persistence and Degradability

No further relevant information available.

Material Name: MiraSTOP SS

Product #: 334675

Behavior in Environmental Systems

Bioaccumulative Potential

No further relevant information available.

Mobility in Soil

No further relevant information available.

Ecotoxicological Effects

Remark

Harmful to fish.

Additional Ecological Information

General notes

Water hazard class 1 (Self-assessment): slightly hazardous for water

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

Harmful to aquatic organisms.

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 Treatment Methods

Recommendations

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned Packagings

Recommendations

Disposal must be made according to official regulations.

Section 14 - TRANSPORT INFORMATION

US DOT Information:

UN/NA #: Not regulated

IATA Information:

UN/NA #: Not regulated

IMO Information:

UN/NA #: Not regulated

Safety Data Sheet

Material Name: MiraSTOP SS

Product #: 334675

Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

diphenylmethanediisocyanate, isomeres and homologues	9016-87-9
Propylene carbonate	108-32-7

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer, reproductive/developmental effects:

None of the ingredients is listed.

Carcinogenic categories

EPA

diphenylmethanediisocyanate, isomeres and homologues	9016-87-9	CBD
--	-----------	-----

TLV

None of the ingredients is listed.

NIOSH-Ca

None of the ingredients is listed.

Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

Section 16 - OTHER INFORMATION

HMIS Rating

Health: 0 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

NFPA Ratings

Health: 0 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Summary of Changes

Revision Date: April 12, 2020

Revision Note: New

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical

Safety Data Sheet

Material Name: MiraSTOP SS

Product #: 334675

Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

Other Information

Disclaimer:

The information contained herein is based upon data and information available to us, and reflects our best professional judgment. This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, CCWI Company must rely upon the hazard evaluation of such components submitted by that product's manufacturer or importer. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. The results to be obtained from the use thereof, or that any such use does not infringe any patent, since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular use.