
Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

MiraSTOP CG-HS CAT

Product Use

Accelerant for PU Injection Resin

Restrictions on Use

For industrial use only.

Manufacturer Information

Carlisle Coatings and Waterproofing, Inc.
900 Hensley Lane
Wylie, TX 75098
www.carlisleccw.com

Phone Numbers:

Medical Emergency
CHEMTREC (USA): 800-424-9300

MSDS Assistance: 972-442-6545
Technical Assistance: 888-229-2199
Customer Service: 888-229-0199

Section 2 - HAZARDS IDENTIFICATION

Classification of the substance of mixture



GHS05 Corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

GHS Label Elements

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

Symbol(s)



GHS05



GHS07

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Signal Word

Danger

Hazard-Determining Components of Labeling

Hexadecyldimethylamine

Hazard Statement(s)

Harmful if swallowed.

Causes severe skin burns and eye damage.

Precautionary Statement(s)

Do not breathe dusts or mists.

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

Wear eye protection / face protection.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a POISON CENTER/doctor.

Specific treatment (see on this label).

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Wash contaminated clothing before reuse.

If swallowed: Rinse mouth. Do NOT induce vomiting.

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
112-69-6	Hexadecyldimethylamine	25-50

Section 4 - FIRST AID MEASURES

Description of Necessary Measures

General Information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Inhalation

In case of unconsciousness place patient stably in side position for transportation.

Skin Contact

Immediately wash with water and soap and rinse thoroughly.

Eye Contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

Ingestion

Immediately call a doctor.

Drink copious amounts of water and provide fresh air. Immediately call a doctor.

Information for Doctor

Most Important Symptoms/Effects, Both Acute and Delayed

No further relevant information available.

Indication of any Immediate Medical Attention and Special Treatment Needed

No further relevant information available.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special Hazards Arising from the Substance or Mixture

No further relevant information available.

Fire Fighting Measures

Protective Equipment

No special measures required.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear protective equipment. Keep unprotected persons away.

Environmental Precautions

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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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

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:

None of the ingredients is listed.

PAC-2:

None of the ingredients is listed.

PAC-3:

None of the ingredients is listed.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about Protection Against Explosions and Fires

No special measures required.

Conditions for Safe Storage, Including any Incompatibilities

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

Keep receptacle tightly sealed.

Specific End Use(s)

No further relevant information available.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional Information About Design of Technical Systems: No further data; see item 7.

Control Parameters

Components with Limit Values that Require Monitoring at the Workplace

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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.

Exposure Controls

Personal Protective Equipment

General Protective and Hygienic Measures

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.

Breathing Equipment

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.

Protection of Hands

Protective gloves.
 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

Tightly sealed goggles.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Fluid	Odor	Amine-like
Color	Colorless	Odor Threshold	Not determined
pH	Not determined	Melting Point	Undetermined
Boiling Point	Undetermined	Flash Point	Not applicable
Flammability (solid, gaseous)	Not applicable	Ignition Temperature	400 °C (752 °F)

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Decomposition Temperature	Not determined	Auto Igniting	Not applicable
Danger of Explosion	Not applicable	Lower Explosive Limit	0.3 Vol %
Upper Explosive Limit	1.7 Vol %	Density	Not determined
Relative Density	Not determined	Vapor Density	Not determined
Water Solubility	Not miscible or difficult to mix	Partition Coefficient: n-octanol/water	Not determined
Viscosity Dynamic	Not determined	Kinematic	Not determined
Solvent Content: Organic Solvents	0.0 %	VOC Content	0.0 g/l/ 0.00 lb/gl

Other Information

No further relevant information available.

Section 10 - STABILITY AND REACTIVITY

Reactivity

No further relevant information available.

Thermal Decomposition / Conditions to Avoid

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

Information on Toxicological Effects

Primary Irritant Effect

Skin Contact

Strong caustic effect on skin and mucous membranes.

Eye Contact

Strong caustic effect.

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Sensitization

No sensitization effects known.

Additional Toxicological Information

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

Harmful

Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

Acute and Chronic Toxicity

Component Analysis - LD/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Hexadecyldimethylamine

Oral LD50 Rat 301-2000 mg/kg

Component Carcinogenicity

112-69-6	Hexadecyldimethylamine
IARC:	None of the ingredients is listed.
NTP:	None of the ingredients is listed.
OSHA-Ca:	None of the ingredients is listed.

Section 12 - ECOLOGICAL INFORMATION

Component Analysis - Aquatic Toxicity

Hexadecyldimethylamine	112-69-6
Fish:	LC50 96 hr zebrafish 0.1-1 mg/l

Persistence and Degradability

No further relevant information available.

Bioaccumulative Potential

No further relevant information available.

Mobility in Soil

No further relevant information available.

Ecotoxicological Effects

Remark

Very toxic for fish

General Notes

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

Do not allow product to reach ground water, water course or sewage system.

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Must not reach bodies of water or drainage ditch undiluted or unneutralized.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Very toxic for aquatic organisms.

Results of PBT and vPvB Assessment

PBT: Not applicable.

vPvB: No applicable.

Other Adverse Effects

No further relevant information available.

Section 13 - DISPOSAL CONSIDERATIONS

Waste Treatment Methods

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

Uncleaned Packagings

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

Section 14 - TRANSPORT INFORMATION

US DOT Information:

Shipping Name: Amines, liquid, corrosive, n.o.s. (Hexadecyldimethylamine)

Hazard Class: 8 Corrosive substances

UN/NA #: UN2735

Packaging Group: III

Required Label(s): 8

IATA Information:

Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (Hexadecyldimethylamine)

Hazard Class: 8 Corrosive substances

UN/NA #: UN2735

Packaging Group: III

Required Label(s): 8

IMDG Information:

Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (Hexadecyldimethylamine), MARINE POLLUTANT

Hazard Class: 8 Corrosive substances

UN/NA #: UN2735

Packaging Group: III

Required Label(s): 8

Special Precautions for User Warning: Corrosive substances

Danger Code (Kemler): 80

EMS Number: F-A, S-B

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Segregation Groups Alkalis
Stowage Category A
Segregation Code SG35 Stow "separated from" acids.

TDG Information:

US DOT

Quantity Limitations: On passenger aircraft/rail: 1 L
 On cargo aircraft only: 30 L

Remarks: Special marking with the symbol (fish and tree)

UN#: UN2735

IMDG

Limited Quantities (LQ): 5L

Excepted Quantities (EQ): Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN#: UN2735

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.

di-"isononyl" phthalate	28553-12-0
Hexadecyldimethylamine	112-69-6
diphenylmethanediisocyanate, isomeres and homologues	9016-87-9

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:

di-"isononyl" phthalate	28553-12-0
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Carcinogenic Categories

EPA

None of the ingredients is listed.

Section 16 - OTHER INFORMATION

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HMIS Rating

Health: 4 Fire: 0 Reactivity: 0

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

NFPA Ratings

Health: 3 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 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.