

SAFETY DATA SHEET



Humco Holding Group, Inc.
7400 Alumax Dr
Texarkana TX 75501 USA
800-662-3435
cs@humco.com
www.humco.com

24-Hour Emergency Number (CHEMTREC)
USA- 800-424-9300

All non-emergency calls should be directed to
Customer Service at 800-662-3435

NAME: DILTIAZEM HYDROCHLORIDE

SDS NO. 8110

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Diltiazem Hydrochloride

Synonyms: Diltiazemi Hydrochloridum

Recommended Use: No relevant information available.

Manufacturer / Supplier: Humco Holding Group, Inc.



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2. HAZARD IDENTIFICATION

Pictogram:	  GHS07 GHS08
Classification:	Carc. 2 H351 Suspected of causing cancer. Acute Tox. 4 H302 Harmful if swallowed.
Signal Word:	Warning
Hazard Statements:	H351 Suspected of causing cancer. H302 Harmful if swallowed.

3. COMPOSITION / INGREDIENTS

CHEMICAL NAME	CAS#
DILTIAZEM HYDROCHLORIDE DILTIAZEMI HYDROCHLORIDUM	33286-22-5

The exact percentage has been withheld as a trade secret

4. FIRST-AID MEASURES

ROUTE	COMMON SYMPTOMS	FIRST AID
Inhalation	Not determined	Supply fresh air; consult doctor in case of complaints.
Ingestion	Not determined	Seek medical treatment.
Skin	Not determined	Seek medical treatment.
Eyes	Not determined	Rinse opened eye for several minutes under running water.

5. FIRE-FIGHTING MEASURES

Flash Point:	Not applicable
Auto Ignition:	Not determined
Extinguishing Media:	Carbon dioxide, Fire-extinguishing powder, foam.
Products of Combustion:	Nitrogen oxides (Nox) Sulphur dioxide (SO2) Hydrogen chloride (HCl) Carbon monoxide (CO)
Fire Fighting Equipment and Procedures:	No special measures required.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Not required
Environmental Precautions:	Do not allow to enter sewers/surface or ground water. Damp down dust with water spray.
Method of Containment:	Ensure adequate ventilation
Method for Clean-Up:	Not determined

7. HANDLING AND STORAGE

Handling:	Prevent formation of dust. Dust can combine with air to form an explosive mixture.
Storage:	Store in cool, dry conditions in well-sealed receptacles.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls:	Normal room ventilation is usually adequate under normal use.
Personal Protective Equipment (PPE)	Protective work clothes
Eye/Face Protection:	Not required
Skin Protection:	Protective gloves
Respiratory Protection	Filter P2+ 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.
General Hygiene Considerations:	Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Be sure to clean skin thoroughly after work and before breaks. Wash hands before breaks and at the end of work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White	Upper/Lower Flammability:	Not Applicable
Odor:	Recognizable	Vapor Pressure	Not Applicable
Odor Threshold:	Not Determined	Vapor Density:	Not Applicable
pH:	4.3-5.3	Relative Density:	Not Determined
Melting point /Freezing Point:	Not Determined	Solubilities:	Soluble.
Boiling point/range:	Not Determined	Partition coefficient: n-octanol/water:	Not Determined
Flash point	Not Applicable	Auto-ignition temperature	Not Determined
Evaporation rate	Not Applicable	Decomposition Temperature:	Not Determined
Flammability:	Not Applicable	Viscosity	Not Applicable

10. STABILITY AND REACTIVITY

Reactivity:	Not Determined
Chemical Stability:	Not Determined
Possibility of Hazardous reactions:	Reacts with strong oxidizing agents.
Conditions to Avoid:	No further relevant information available.
Incompatible materials:	No further relevant information available.
Hazardous Decomposition Products:	Carbon monoxide and carbon dioxide Hydrogen chloride (HCl) Sulfur oxides (Sox) Nitrogen oxides (NOx)

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Not Determined
Skin irritation:	No irritant effect.
Eye contact damage:	No irritating effect.
Respiratory damage:	Not Determined
Ingestion overdose:	Not Determined
Delayed, immediate, or chronic effects from short- and long-term exposure	Not Determined
LD50	Oral LD50 560 mg/kg (Rat)
Symptoms associated with exposure:	Not Determined
Carcinogenicity:	Not Determined
OSHA:	Substance is not listed.
NTP:	Substance is not listed.
IARC:	Substance is not listed.

12. ECOLOGICAL INFORMATION

Acute or chronic aquatic toxicity:	No further relevant information available.
Chemical degradation:	No further relevant information available.
Biodegradation:	No further relevant information available.
Bioaccumulation potential	No further relevant information available.
Adsorption studies or leaching studies:	Not Determined
Other adverse effects	No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local laws and regulations. Avoid release into environment. Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

14. TRANSPORT INFORMATION

DOT Hazard Classification:	Toxic Substance
UN number:	UN2811
UN proper shipping name:	Toxic solids, organic, n.o.s. (Diltiazem Hydrochloride Diltiazemi hydrochloridum)
Transport hazard class(es):	6.1 Toxic substances
Packing group number:	III
Environmental hazards:	Not applicable.
Special precautions:	Warning: Toxic substances F-A, S-A

15. REGULATORY INFORMATION

No further relevant information available. A chemical safety assessment has not been carried out.

16. OTHER INFORMATION

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