

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: CHLORAL HYDRATE

SDS NO. 8238

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Chloral Hydrate

Synonyms: Chlorali Hydras

Recommended Use: No relevant information available.

Manufacturer / Supplier: Humco Holding Group, Inc.




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2. HAZARD IDENTIFICATION

Pictogram:	   GHS06 GHS07 GHS08
Classification:	Acute Tox. 3 Carc. 1B Skin Irrit. 2 Eye Irrit. 2
Signal Word:	Danger
Hazard Statements:	H301 Toxic if swallowed H315 Causes skin irritation H319 Causes serious eye irritation H350 May cause cancer

3. COMPOSITION / INGREDIENTS

CHEMICAL NAME	CAS#
CHLORAL HYDRATE CHLORALI HYDRAS	302-17-0

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. Seek medical attention in case of complaints. In case of unconsciousness place patient stably in side position for transport
Ingestion	Not determined	Rinse out mouth and drink plenty of water. Do not induce vomiting; immediately call for help.
Skin	Not determined	If skin irritation continues, consult a doctor. Immediately wash with water and soap and rinse thoroughly.
Eyes	Not determined	Rinse opened eye for several minutes under running water. Then consult a doctor.

5. FIRE-FIGHTING MEASURES

Flash Point:	Not Applicable
Auto Ignition:	Not Determined
Extinguishing Media:	CO ₂ , extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.
Products of Combustion:	Not determined
Fire Fighting Equipment and Procedures:	Wear self-contained respiratory protective device. Wear fully protective suit Mouth respiratory protective device

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Ensure adequate ventilation Wear protective equipment. Keep unprotected persons away.
Environmental Precautions:	Do not allow to enter sewers/surface or ground water Damp down dust with water spray
Method of Containment & Clean-Up:	Dispose contaminated material as waste according to item 13.

7. HANDLING AND STORAGE

Handling:	No special precautions if used correctly.
Storage:	Store in cool, dry conditions in well-sealed receptacles. Protect from humidity and water.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls:	No further relevant information.
Personal Protective Equipment (PPE)	Protective work clothing.
Eye/Face Protection:	Tightly-sealed goggles
Skin Protection:	Protective gloves, Nitrile Rubber NBR
Respiratory Protection	Suitable respiratory protective device recommended. Filter P3
General Hygiene Considerations:	Avoid contact with eyes and skin Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Powder, White	Upper/Lower Flammability:	Not Applicable
Odor:	Odorless	Vapor Pressure @ 20°C (68°F):	13 hPa (10 mm Hg)
Odor Threshold:	Not Determined	Vapor Density:	Not Applicable
pH:	3.5 – 5.5	Density at 20°C (68°F):	1.91 g/cm ³ (15.939 lbs/gal)
Melting point /Freezing Point:	52°C (126°F) / Not Determined	Solubilities: (WATER AT 20°C (68°F))	6600 g/l
Boiling point/range:	~97°C (>207°F)	Partition coefficient: n-octanol/water:	Not Determined
Flash point	Not Applicable	Auto-ignition temperature	Not Determined
Evaporation rate	Not Applicable	Decomposition Temperature:	> 97°C (207°F)
Flammability:	Product is not flammable	Viscosity	Not Applicable

10. STABILITY AND REACTIVITY

Reactivity:	No further relevant information available.
Chemical Stability:	No further relevant information available.
Possibility of Hazardous reactions:	Reacts with strong oxidizing agents Reacts with Alcohols Reacts with strong alkali Reacts with alkaline metals Reacts with earth alkaline metals
Conditions to Avoid:	To avoid thermal decomposition do not overheat
Incompatible materials:	No further relevant information available.
Hazardous Decomposition Products:	Hydrogen chloride Phosgene

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	
Skin irritation:	Irritant to skin and mucous membranes
Eye contact damage:	Irritating effect
Respiratory damage:	Not Determined
Ingestion overdose:	Not Determined
Delayed, immediate, or chronic effects from short- and long-term exposure	No further relevant information available.
LD50 Oral:	479mg/kg (Rat)
Dermal:	3030mg/kg (Rat)
Symptoms associated with exposure:	No further relevant information available.
Carcinogenicity:	
OSHA:	Substance is not listed.
NTP:	Substance is not listed.
IARC:	2A

12. ECOLOGICAL INFORMATION

Acute or chronic aquatic toxicity:	EC50 (24h) 510 mg/l (Daphnia) LC50 (48h) 1720 mg/l (Fish)
Chemical degradation:	No further relevant information available.
Biodegradation:	Not easily biodegradable
Bioaccumulation potential	No further relevant information available.
Adsorption studies or leaching studies:	No further relevant information available.
Other adverse effects	Water hazard class 2: hazardous for water

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:	
UN number:	UN2811
UN proper shipping name:	2811 Toxic solids, organic, n.o.s. (Chloral Hydrate Chlorali hydras)
Transport hazard class(es):	6.1 Toxic substances
Packing group number:	III
Environmental hazards:	No
Special precautions:	Warning: Toxic substances

REGULATORY INFORMATION

No further relevant information available.

15. OTHER INFORMATION

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