

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: THIAMINE HYDROCHLORIDE (VITAMIN B1)

SDS NO.8248

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Thiamine Hydrochloride

Synonyms: Vitamin B1

Recommended Use: No relevant information available.

Manufacturer / Supplier: Humco Holding Group, Inc.

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2. HAZARD IDENTIFICATION

Pictogram:	Void
Classification:	Void
Signal Word:	Void
Hazard Statements:	Void

3. COMPOSITION / INGREDIENTS

CHEMICAL NAME	CAS#
THIAMINE HYDROCHLORIDE	67-03-8

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	Rinse out mouth and drink plenty of water.
Skin	Not determined	Generally, the product does not irritate the skin.
Eyes	Not determined	Seek medical treatment.

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:	Nitrogen Oxides (NO _x) Hydrogen Chloride (HCl) Hydrogen Cyanide (HCN)
Fire Fighting Equipment and Procedures:	Wear self-contained respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear protective equipment. Keep unprotected persons away.
Environmental Precautions:	Do not allow to enter sewers/surface or ground water
Method of Containment & Clean-Up:	Pick up mechanically. Dispose contaminated material as waste according to item 13.

7. HANDLING AND STORAGE

Handling:	Prevent formation of dust.
Storage:	Store in cool, dry conditions in well-sealed receptacles.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls:	No further relevant information.
Personal Protective Equipment (PPE)	Protective work clothing.
Eye/Face Protection:	Not required
Skin Protection:	Protective gloves
Respiratory Protection	Suitable respiratory protective device recommended.
General Hygiene Considerations:	The usual precautionary measures for handling chemicals should be followed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Crystalline, White	Upper/Lower Flammability:	Not Applicable
Odor:	Characteristic	Vapor Pressure @ 795°C (1,463°F):	Not Determined
Odor Threshold:	Not Determined	Vapor Density:	Not Applicable
pH:	2.7 - 3.3	Density at 20°C (68°F):	0.4 g/cm ³ (3.338 lbs/gal)
Melting point /Freezing Point:	~250°C (~482°F)	Solubilities:	1000 g/l (water at 20°C)
Boiling point/range:	Not Determined	Partition coefficient: n-octanol/water:	Not Determined
Flash point	Not Applicable	Auto-ignition temperature	>365°C (689°F)
Evaporation rate	Not Applicable	Decomposition Temperature:	Not Determined
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:	Risk of dust explosion.
Conditions to Avoid:	TO avoid thermal decomposition do not overheat.
Incompatible materials:	No further relevant information available.
Hazardous Decomposition Products:	No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	
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	No further relevant information available.
LD50 Oral:	8224 mg/kg (mus) 3710 mg/kg (rat)
Dermal:	Not Determined
Symptoms associated with exposure:	No further relevant information available.
Carcinogenicity:	
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:	No further relevant information available.
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	
UN number:	Void
UN proper shipping name:	Void
Transport hazard class(es):	Void
Packing group number:	Void
Environmental hazards:	Void
Special precautions:	Void

15. REGULATORY INFORMATION

No further relevant information available.

16. OTHER INFORMATION

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