



MATERIAL SAFETY DATA SHEET

67046
Thiamine

Date Prepared: 8/6/96
Date Reviewed: 8/6/98

THIAMINE HYDROCHLORIDE INJECTION

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Thiamine HCl

1354

General Use: Vitamin

MANUFACTURER

American Pharmaceutical Partners, Inc.
3 Parkway North
Deerfield, IL 60015-2538
(847) 914-9603

EMERGENCY TELEPHONE NUMBER:

(708) 343-6100

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component: *Chlorobutanol*

CAS Registry #: 57-15-8

OSHA PEL: NE mg/m3 OSHA PEL: NE ppm
ACGIH TLV: NE mg/m3 ACGIH TLV: NE ppm
STEL: NE mg/m3 STEL: NE ppm

Percent of Product: 0.5% Note: NA

Component: *Monothioglycerol*

CAS Registry #: 96-27-5

OSHA PEL: NE mg/m3 OSHA PEL: NE ppm
ACGIH TLV: NE mg/m3 ACGIH TLV: NE ppm
STEL: NE mg/m3 STEL: NE ppm

Percent of Product: 0.5% Note: NA

Component: *Thiamine Hydrochloride*

CAS Registry #: 67-03-8

OSHA PEL: NE mg/m3 OSHA PEL: NE ppm
ACGIH TLV: NE mg/m3 ACGIH TLV: NE ppm
STEL: NE mg/m3 STEL: NE ppm

Percent of Product: NG Note: 100 mg/ml

Component: *Water for Injection*

CAS Registry #: 7732-18-5

OSHA PEL: NE mg/m3 OSHA PEL: NE ppm
ACGIH TLV: NE mg/m3 ACGIH TLV: NE ppm
STEL: NE mg/m3 STEL: NE ppm

Percent of Product: NG Note: QS to volume

3. HAZARD IDENTIFICATION

PRIMARY ROUTES OF EXPOSURE - Inhalation, Eye/Skin Absorption and Ingestion.

CHEMICAL LISTING AS CARCINOGEN: (NO)
National Toxicology Program, IARC Monographs, OSHA

COMPONENT	CAS No.	NTP	IARC	OSHA
Chlorobutanol	57-15-8			
Monothioglycerol	96-27-5			
Thiamine Hydrochloride	67-03-8			

COMPONENT
Water for Injection

CAS No.
7732-18-5

NTP
NO

IARC
NO

OSHA
NO

4. EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Move person to fresh air immediately. Give artificial respiration and cardiopulmonary resuscitation (CPR) if required. Seek medical attention.

Ingestion: Flush mouth out with water immediately. Seek medical attention.

Skin Contact: Remove contaminated clothing immediately. Flush area with water for at least 15 minutes. Seek medical attention.

Eye Contact: Immediately flush with water for at least 15 minutes. Seek medical attention.

For Adverse Drug Reaction Information call (708) 547-2372.

5. FIRE FIGHTING MEASURES

Fire and Explosion Data:

Closed Cup Flash Pt. 200.0

Open Cup Flash Pt. NE

Fire Point NE

Autoignition NE

Lower Explosion Limit NE

Upper Explosion Limit NE

GENERAL HAZARD: When heated to decomposition it emits toxic fumes.

FIRE FIGHTING INSTRUCTION: Water spray, dry chemical, carbon dioxide or foam as appropriate.

FIRE FIGHTING EQUIPMENT: Wear self-contained breathing apparatus and protective clothing.

HAZARDOUS COMBUSTION PRODUCTS: Smoke, and toxic fumes of SOx and NOx.

6. ACCIDENTAL RELEASE MEASURES

CLEAN-UP: Wear recommended personal protective equipment. Use absorbent towels or booms to clean-up spill. Wipe surfaces clean and wash with soap and water.

7. HANDLING AND STORAGE

When handling pharmaceutical products, avoid all contact and inhalation of dust, fumes, mist, and/or vapors associated with the product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

General room ventilation is usually satisfactory, use local exhaust ventilation when necessary.

PERSONAL PROTECTION:

Respirators - With satisfactory ventilation, respiratory protection not usually required.

Eyes - Safety glasses or goggles recommended.

Gloves - Disposable latex gloves recommended.

Clothing - Disposable garments if direct skin contact is anticipated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor other characteristics: Clear, colorless, nut like odor.

Boiling Point: NE

Vapor Density: NE

Melting Point: 248° C

Percent Volatiles: NE

Freezing Point: NE

pH: 2.5-4.5

Vapor Pressure: NE

Molecular Weight: 337.3

Note:

Solubility: Water

10. STABILITY AND REACTIVITY

Stability - Stable.

Conditions/Materials to Avoid - Exposure to light and/or heat may cause decomposition.

Hazardous Polymerization - Will not occur.

11. TOXICOLOGY INFORMATION**SIGNS & SYMPTOMS OF OVEREXPOSURE MAY INCLUDE:**

This product is intended for therapeutic use only when prescribed by a physician. Potential adverse reactions from prescribed doses and overdoses are described in the package insert. Occupational exposure has not been fully investigated.

LD50: 200mg/kg Intraperitoneal mouse

MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE: Pre-existing skin and respiratory conditions.

IMMEDIATE EFFECTS: Eye, skin and respiratory irritation may occur.

DELAYED EFFECTS: Hypersensitivity reactions ranging from mild to severe may occur.

12. TRANSPORT INFORMATION

UN/NA Number: NA

DOT Hazard Class: NA

Shipping Name: NA

Shipping Label: NA

13. WASTE DISPOSAL

Waste Disposal: Dispose of in accordance with federal, state and local regulations

14. OTHER INFORMATION**KEY TO ABBREVIATIONS:**

ACGIH - American Conference of Governmental Industrial Hygienists

HEPA - High-Efficiency Particulate Air

IARC - International Agency for Research on Cancer

NA - Not Applicable

NE - Not Established

NG - Not Given

NIOSH - National Institute for Occupational Safety and Health

NTP - National Toxicology Program

OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit

PPM - Parts Per Million

QS - Quantity Sufficient

RCRA - Resource Conservation and Recovery Act

STEL - Short Term Exposure Limit

TLV - Threshold Limit Value

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