

DOD Hazardous Materials Information System  
DoD 6050.5-L  
AS OF July 1998

FSC: 6505  
NIIN: 00F008958  
Manufacturer's CAGE: 39832  
Part No. Indicator: A  
Part Number/Trade Name: THIAMINE HYDROCHLORIDE

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General Information

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Item Name: THIAMINE HYDROCHLORIDE (VITAMIN B1 HYDROCHLORIDE)  
Company's Name: LYPHOMED, INC.  
Company's Street: 10401 W. TOUHY AVENUE  
Company's P. O. Box: N/K  
Company's City: ROSEMONT  
Company's State: IL  
Company's Country:  
Company's Zip Code: 60018  
Company's Emerg Ph #: (312) 450-7569  
Company's Info Ph #: (312) 450-7500  
Distributor/Vendor # 1:  
Distributor/Vendor # 1 Cage:  
Distributor/Vendor # 2:  
Distributor/Vendor # 2 Cage:  
Distributor/Vendor # 3:  
Distributor/Vendor # 3 Cage:  
Distributor/Vendor # 4:  
Distributor/Vendor # 4 Cage:  
Safety Data Action Code:  
Safety Focal Point: F  
Record No. For Safety Entry: 001  
Tot Safety Entries This Stk#: 001  
Status:  
Date MSDS Prepared: 04FEB89  
Safety Data Review Date: 03AUG89  
Supply Item Manager:  
MSDS Preparer's Name: JANET L. JALICKI  
Preparer's Company: LYPHOMED, INC.  
Preparer's St Or P. O. Box: 10401 W. TOUHY AVENUE  
Preparer's City: ROSEMONT  
Preparer's State: IL  
Preparer's Zip Code: 60018  
Other MSDS Number:  
MSDS Serial Number: BGYZZ  
Specification Number:  
Spec Type, Grade, Class:  
Hazard Characteristic Code:  
Unit Of Issue:  
Unit Of Issue Container Qty:  
Type Of Container:  
Net Unit Weight:

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NRC/State License Number:  
Net Explosive Weight:  
Net Propellant Weight-Ammo:  
Coast Guard Ammunition Code:

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Ingredients/Identity Information

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Proprietary: NO
Ingredient: THIAMINE HYDROCHLORIDE
Ingredient Sequence Number: 01
Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: F
NIOSH (RTECS) Number: XI7350000
CAS Number: 67038
OSHA PEL: N/K
ACGIH TLV: N/K
Other Recommended Limit: N/K
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Physical/Chemical Characteristics

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Appearance And Odor: CLEAR, COLORLESS SLOUTION; NUT LIKE ODOR.
Boiling Point: N/R
Melting Point: N/K
Vapor Pressure (MM Hg/70 F): N/R
Vapor Density (Air=1): N/R
Specific Gravity: N/K
Decomposition Temperature: N/K
Evaporation Rate And Ref: N/K
Solubility In Water: FREELY SOLUBLE
Percent Volatiles By Volume: N/K
Viscosity:
pH: N/K
Radioactivity:
Form (Radioactive Matl):
Magnetism (Milligauss):
Corrosion Rate (IPY): N/K
Autoignition Temperature:
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Fire and Explosion Hazard Data

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Flash Point: N/R
Flash Point Method: N/P
Lower Explosive Limit: N/K
Upper Explosive Limit: N/K
Extinguishing Media: WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL, OR FOAM
Special Fire Fighting Proc: USE SELF-CONTAINED BREATHING APPARATUS & FULL
PROTECTIVE CLOTHING.
Unusual Fire And Expl Hazrds: EMITS TOXIC FUMES.
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Reactivity Data

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Stability: YES
Cond To Avoid (Stability): EXPOSURE TO LIGHT/HEAT MAY CAUSE DECOMPOSITION.
Materials To Avoid: N/K
Hazardous Decomp Products: N/K
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): N/K
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Health Hazard Data

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LD50-LC50 Mixture: ORAL LD50 8224MG/KG MOUSE
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
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Route Of Entry - Ingestion: YES  
 Health Haz Acute And Chronic: INHALATION: RESPIRATORY TRACT IRRITATION.  
 SKIN: POSSIBLE HYPERSENSITIZATION.  
 Carcinogenicity - NTP: NO  
 Carcinogenicity - IARC: NO  
 Carcinogenicity - OSHA: NO  
 Explanation Carcinogenicity: NONE  
 Signs/Symptoms Of Overexp: INHALATION: RESPIRATORY TRACT IRRITATION. SKIN:  
 POSSIBLE HYPERSENSITIZATION.  
 Med Cond Aggravated By Exp: N/K  
 Emergency/First Aid Proc: INHALATION: REMOVE PERSON TO FRESH AIR. SEEK  
 MEDICAL ATTENTION. INGESTION: FLUSH MOUTH OUT W/WATER. SEEK MEDICAL  
 ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH AREA WITH WATER. SEEK  
 MEDICAL ATTENTION. EYE: FLUSH WITH WATER. SEEK MEDICAL ATTENTION.

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 Precautions for Safe Handling and Use  
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Steps If Matl Released/Spill: WEAT RECOMMENDED PERSONAL PROTECTIVE  
 EQUIPMENT. VACUUM SPILLAGE W/A VACUUM CLEANER HAVING A HIGH EFFICIENCY  
 PARTICULATE (HEPA) FILTER, OR ABSORB LIQUID W/PAPER TOWELS. WIPE WORKING  
 SURFACES TO DRYNESS, THEN WASH W/SOALP & WATER.  
 Neutralizing Agent: N/K  
 Waste Disposal Method: THOUGH NOT EPA REGULATED, WASTE SHOULD BE  
 DISPOSED OF IAW W/FEDERAL, STATE, & LOCAL REGULATIONS.  
 Precautions-Handling/Storing: WHEN HANDLING PHARMACEUTICAL PRODUCTS AVOID  
 ALL CONTACT & INHALATION OF DUST, FUMES, MISTS/VAPORS ASSOCIATED W/THE  
 PRODUCT.  
 Other Precautions: N/K

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 Control Measures  
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Respiratory Protection: NIOSH APPROVED RESPIRATOR.  
 Ventilation: LOCAL EXHAUST RECOMMENDED  
 Protective Gloves: LATEX  
 Eye Protection: SAFETY GOGGLES  
 Other Protective Equipment: DISPOSABLE PROTECTIVE APPAREL.  
 Work Hygienic Practices: N/K  
 Suppl. Safety & Health Data: N/K

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 Transportation Data  
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Transportation Action Code:  
 Transportation Focal Point:  
 Trans Data Review Date:  
 DOT PSN Code:  
 DOT Symbol:  
 DOT Proper Shipping Name:  
 DOT Class:  
 DOT ID Number:  
 DOT Pack Group:  
 DOT Label:  
 DOT/DoD Exemption Number:  
 IMO PSN Code:  
 IMO Proper Shipping Name:  
 IMO Regulations Page Number:  
 IMO UN Number:  
 IMO UN Class:  
 IMO Subsidiary Risk Label:

IATA PSN Code:  
 IATA UN ID Number:  
 IATA Proper Shipping Name:  
 IATA UN Class:  
 IATA Subsidiary Risk Class:  
 IATA Label:  
 AFI PSN Code:  
 AFI Symbols:  
 AFI Prop. Shipping Name:  
 AFI Class:  
 AFI ID Number:  
 AFI Pack Group:  
 AFI Label:  
 AFI Special Prov:  
 AFI Basic Pac Ref:  
 MMAC Code:  
 N.O.S. Shipping Name:  
 Additional Trans Data:

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Disposal Data

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Disposal Data Action Code:  
 Disposal Data Focal Point:  
 Disposal Data Review Date:  
 Rec # For This Disp Entry:  
 Tot Disp Entries Per NSN:  
 Landfill Ban Item:  
 Disposal Supplemental Data:  
 1st EPA Haz Wst Code New:  
 1st EPA Haz Wst Name New:  
 1st EPA Haz Wst Char New:  
 1st EPA Acute Hazard New:  
 2nd EPA Haz Wst Code New:

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2nd EPA Haz Wst Name New:  
 2nd EPA Haz Wst Char New:  
 2nd EPA Acute Hazard New:  
 3rd EPA Haz Wst Code New:  
 3rd EPA Haz Wst Name New:  
 3rd EPA Haz Wst Char New:  
 3rd EPA Acute Hazard New:

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Label Data

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Label Required: YES  
 Technical Review Date:  
 Label Date:  
 MFR Label Number:  
 Label Status: G  
 Common Name: THIAMINE HYDROCHLORIDE  
 Chronic Hazard: N/P  
 Signal Word:  
 Acute Health Hazard-None:  
 Acute Health Hazard-Slight:  
 Acute Health Hazard-Moderate:  
 Acute Health Hazard-Severe:  
 Contact Hazard-None:  
 Contact Hazard-Slight:  
 Contact Hazard-Moderate:

Contact Hazard-Severe:  
Fire Hazard-None:  
Fire Hazard-Slight:  
Fire Hazard-Moderate:  
Fire Hazard-Severe:  
Reactivity Hazard-None:  
Reactivity Hazard-Slight:  
Reactivity Hazard-Moderate:  
Reactivity Hazard-Severe:  
Special Hazard Precautions: INHALATION: RESPIRATORY TRACT IRRITATION.  
SKIN: POSSIBLE HYPERSENSITIZATION. INHALATION: RESPIRATORY TRACT  
IRRITATION. SKIN: POSSIBLE HYPERSENSITIZATION.  
Protect Eye:  
Protect Skin:  
Protect Respiratory:  
Label Name: LYPHOMED, INC.  
Label Street: 10401 W. TOUHY AVENUE  
Label P.O. Box: N/K  
Label City: ROSEMONT  
Label State: IL  
Label Zip Code: 60018  
Label Country:  
Label Emergency Number: (312) 450-7569  
Year Procured: