

MATERIAL SAFETY DATA SHEET

THIAMINE HYDROCHLORIDE

I IDENTIFICATION:

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179

Emergency Telephone No.: 1-905-466-3832
Chemical Name: Thiamine hydrochloride
Catalog Number: THA001
Molecular Formula: C₁₂H₁₇N₄O₅Cl.HCl
Molecular Weight: 300.66
WHMIS Classification: not controlled
TSCA Status: LISTED

II COMPOSITION/ INGREDIENTS:

| | CAS # | % |
|--------------|---------|------|
| Thiamine HCl | 67-03-8 | 100% |

III HAZARDS/TOXICOLOGICAL PROPERTIES:

The toxicological properties of this product have not been fully investigated.

Routes of entry: Eyes, skin, inhalation, Ingestion.

Target Organs: Non known
Eyes: May cause irritation.
Skin: May cause irritation.
Inhalation: May cause irritation to respiratory tract.
Ingestion: may cause irritation to GI tract
CHRONIC HEALTH HAZARDS: none known.

Exposure Limits:
None available

Epidemiology: No data available
Teratogenicity: No data available
Reproductive Effects: No data available
Neurotoxicity: No data available
Mutagenicity: No data available

IV FIRST AID MEASURES:

Eyes: Flush eyes with water .
Skin: In case of contact, flush area immediately with water.
Inhalation: Remove victim to fresh air.
Ingestion: Wash mouth with water.

V FIRE AND EXPLOSION HAZARDS:

Flammable: No
Flash Point: 100C

Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.

Explosion Data: Not available

VI REACTIVITY:

Stability: Stable at normal room temperature and pressure

Conditions to avoid: dust generation.

Incompatibility: strong oxidizing agents.

Hazardous Decomposition Products: carbon dioxide, carbon monoxide and nitrogen oxides, sulfur oxides.

Hazardous Polymerization: Has not been reported

VII PHYSICAL DATA:

Physical State: solid

Appearance and Odor: white to off white powder

Melting Point: 260° C

Boiling Point: N/A

Specific Gravity: 1.4

Vapor Density: N/A

Water Solubility: slightly soluble

pH: 2.6-3.3 (0.1% water)

VIII PREVENTIVE MEASURES:

Personal Protection: Lab coat, safety goggles, rubber gloves.

Ventilation: Local exhaust systems. Use fume hood

Respiratory protection: use OSHA/MSHA approved respirator.

Leak and Spill Procedures: Ventilate the area. Wear appropriate protective equipment. Cover with dry lime or soda. Sweep and place in a closed container.

Waste Disposal: Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

Other precautions: Avoid contact. Do not get in eyes, on skin, or clothing.

Wash thoroughly after handling. Wash contaminated clothing before reuse.

Storage Conditions: room temperature

Label Hazard Warning: None. Avoid eye and skin contact. Avoid inhalation and ingestion.

Shipping Information: Not regulated

IX PREPARATION OF MSDS:

Prepared By: M.Kierdelewicz (President)

Date Prepared: Jan 5/2012

Phone: (800) 234-1179

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