SAFETY DATA SHEETS

This SDS packet was issued with item:

078834965

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078696913 078696921 078917179 078917195

Material Safety Data Sheet

Material Name: Vitamin B Complex

*** Section 1 - Chemical Product and Company Identification ***

Manufacturer Information

Bioniche Pharma
272 E Deerpath Road
Suite 304
Lake Forest, IL 60045

Phone: 888-258-4199

Emergency # 888-875-1671

*** Section 2 - Hazards Identification ***

Emergency Overview

May cause eye, skin, gastrointestinal, and/or respiratory tract irritation.

Potential Health Effects: Eyes

May cause irritation.

Potential Health Effects: Skin

May cause irritation.

Potential Health Effects: Ingestion

Not considered a likely route of exposure under normal product use. May casue gastrointestinal irritation if swallowed.

Potential Health Effects: Inhalation

Not considered a likely route of exposure under normal product use. May cause respiratory tract irritation.

HMIS Ratings: Health: 1 **Fire:** 0 **HMIS Reactivity** 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component
7732-18-5	Water
98-92-0	Nicotinamide
67-03-8	Thiazolium, 3-[(4-amino-2-methyl-5-pyrimidinyl)methyl]-5-(2-hydroxyethyl)-4-methyl- chloride, monohydrochloride
100-51-6	Benzyl alcohol
7647-01-0	Hydrogen chloride
1310-73-2	Sodium hydroxide
81-13-0	Butanamide, 2,4-dihydroxy-N-(3-hydroxypropyl)-3,3-dimethyl-, (R)-
58-56-0	3,4-Pyridinedimethanol, 5-hydroxy-6-methyl-, hydrochloride
130-40-5	Riboflavin 5'-(dihydrogen phosphate), monosodium salt

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Flush immediately with water for at least 15 minutes. Do not rub eyes.

First Aid: Skin

For skin contact, flush with large amounts of water. If irritation persists, get medical attention.

First Aid: Ingestion

If ingestion of a large amount does occur, seek medical attention.

First Aid: Inhalation

Move person to non-contaminated air. If the affected person is not breathing, apply artificial respiration.

* * * Section 5 - Fire Fighting Measures * * *

General Fire Hazards

See Section 9 for Flammability Properties.
None

Hazardous Combustion Products

Not determined

Extinguishing Media

Use extinguishing media appropriate for surrounding fire.

Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

NFPA Ratings: Health: 1 **Fire:** 0 **Reactivity:** 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

* * * Section 6 - Accidental Release Measures * * *

Containment Procedures

Contain the discharged material.

Clean-Up Procedures

Wear appropriate protective equipment and clothing during clean-up. Use sand or perlite or vermiculite as an absorbent for large spills of this material.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

Special Procedures

Avoid contact with skin and eyes.

* * * Section 7 - Handling and Storage * * *

Handling Procedures

Wash hands after handling and before eating.

Storage Procedures

Keep this material in a cool, well-ventilated place.

* * * Section 8 - Exposure Controls / Personal Protection * * *

A: Component Exposure Limits

Sodium hydroxide (1310-73-2)

ACGIH: 2 mg/m3 Ceiling
OSHA: 2 mg/m3 Ceiling
NIOSH: 2 mg/m3 Ceiling

Hydrogen chloride (7647-01-0)

ACGIH: 2 ppm Ceiling
OSHA: 5 ppm Ceiling; 7 mg/m3 Ceiling
NIOSH: 5 ppm Ceiling; 7 mg/m3 Ceiling

Engineering Controls

Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses; chemical goggles (if splashing is possible).

Personal Protective Equipment: Skin

Use impervious gloves.

Personal Protective Equipment: Respiratory

Not normally needed.

Personal Protective Equipment: General

Eye wash fountain is recommended.

* * * Section 9 - Physical & Chemical Properties * * *

Appearance:	Clear	**Odor:**	None
Physical State:	Liquid	**pH:**	ND
Vapor Pressure:	ND	**Vapor Density:**	ND
Boiling Point:	ND	**Melting Point:**	ND
Solubility (H2O):	Slight	**Specific Gravity:**	ND
Evaporation Rate:	ND	**VOC:**	ND
Octanol/H2O Coeff.:	ND	**Flash Point:**	ND
Flash Point Method:	ND	**Upper Flammability Limit (UFL):**	ND
Lower Flammability Limit (LFL):	ND	**Burning Rate:**	ND
Auto Ignition:	ND		

* * * Section 10 - Chemical Stability & Reactivity Information * * *

Chemical Stability

This is a stable material.

Chemical Stability: Conditions to Avoid

None

Incompatibility

Not Determined

Hazardous Decomposition

Not Determined

Possibility of Hazardous Reactions

Will not occur.

* * * Section 11 - Toxicological Information * * *

Acute Dose Effects

A: General Product Information

No information available for the product.

B: Component Analysis - LD50/LC50

Water (7732-18-5)
Oral LD50 Rat: >90 mL/kg

Thiazolium, 3-[(4-amino-2-methyl-5-pyrimidinyl)methyl]-5-(2-hydroxyethyl)-4-methyl- chloride, monohydrochloride (67-03-8)
Oral LD50 Rat: 3710 mg/kg

Nicotinamide (98-92-0)
Oral LD50 Rat: 3500 mg/kg; Dermal LD50 Rabbit:>2000 mg/kg

Benzyl alcohol (100-51-6)
Inhalation LC50 Rat: 8.8 mg/L/4H; Oral LD50 Rat:1230 mg/kg; Dermal LD50 Rabbit:2000 mg/kg

Sodium hydroxide (1310-73-2)
Dermal LD50 Rabbit: 1350 mg/kg

Hydrogen chloride (7647-01-0)
Inhalation LC50 Rat: 3124 ppm/1H; Oral LD50 Rat:700 mg/kg; Dermal LD50 Rabbit:>5010 mg/kg

Butanamide, 2,4-dihydroxy-N-(3-hydroxypropyl)-3,3-dimethyl-, (R)- (81-13-0)
Oral LD50 Mouse: 15 g/kg

3,4-Pyridinedimethanol, 5-hydroxy-6-methyl-, hydrochloride (58-56-0)

Oral LD50 Rat: 4 g/kg

Carcinogenicity

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

Hydrogen chloride (7647-01-0)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Monograph 54 [1992] (Group 3 (not classifiable))

* * * Section 12 - Ecological Information * * *

Ecotoxicity

A: General Product Information

No information available for the product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Nicotinamide (98-92-0)

Test & Species		Conditions
96 Hr LC50 Poecilia reticulata	>1000 mg/L [static]	
24 Hr EC50 Daphnia magna	>1000 mg/L	

Benzyl alcohol (100-51-6)

Test & Species		Conditions
96 Hr LC50 Pimephales promelas	460 mg/L [static]	
96 Hr LC50 Lepomis macrochirus	10 mg/L [static]	
3 Hr EC50 Anabaena variabilis	35 mg/L	
5 min EC50 Photobacterium phosphoreum	63.7 mg/L	
15 min EC50 Photobacterium phosphoreum	63.7 mg/L	
30 min EC50 Photobacterium phosphoreum	71.4 mg/L	
5 min EC50 Photobacterium phosphoreum	50 mg/L	
48 Hr EC50 water flea	23 mg/L	

Sodium hydroxide (1310-73-2)

Test & Species		Conditions
96 Hr LC50 Oncorhynchus mykiss	45.4 mg/L [static]	

Hydrogen chloride (7647-01-0)

Test & Species		Conditions
48 Hr LC50 Lepomis macrochirus	3.6 mg/L	
96 Hr LC50 Gambusia affinis	282 mg/L	

* * * Section 13 - Disposal Considerations * * *

US EPA Waste Number & Descriptions

Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

All wastes must be handled in accordance with local, state and federal regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

* * * Section 14 - Transportation Information * * *

US DOT Information

Shipping Name: Not Regulated

* * * Section 15 - Regulatory Information * * *

US Federal Regulations

Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Sodium hydroxide (1310-73-2)

CERCLA: 1000 lb final RQ; 454 kg final RQ

Hydrogen chloride (7647-01-0)

SARA 302: 500 lb TPQ (gas only)
SARA 313: 1.0 % de minimis concentration (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)
CERCLA: 5000 lb final RQ; 2270 kg final RQ

State Regulations

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Benzyl alcohol	100-51-6	No	Yes	Yes	No	Yes	No
Sodium hydroxide	1310-73-2	Yes	Yes	Yes	Yes	Yes	Yes
Hydrogen chloride	7647-01-0	Yes	Yes	Yes	Yes	Yes	Yes

Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Benzyl alcohol	100-51-6	1 %
Sodium hydroxide	1310-73-2	1 %
Hydrogen chloride	7647-01-0	1 %

Additional Regulatory Information

Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Water	7732-18-5	Yes	DSL	EINECS
Thiazolium, 3-[(4-amino-2-methyl-5-pyrimidinyl)methyl]-5-(2-hydroxyethyl)-4-methyl-chloride, monohydrochloride	67-03-8	Yes	DSL	EINECS
Nicotinamide	98-92-0	Yes	DSL	EINECS
Benzyl alcohol	100-51-6	Yes	DSL	EINECS
Sodium hydroxide	1310-73-2	Yes	DSL	EINECS
Hydrogen chloride	7647-01-0	Yes	DSL	EINECS
Riboflavin 5'-(dihydrogen phosphate), monosodium salt	130-40-5	Yes	DSL	EINECS
Butanamide, 2,4-dihydroxy-N-(3-hydroxypropyl)-3,3-dimethyl-, (R)-	81-13-0	Yes	DSL	EINECS
3,4-Pyridinedimethanol, 5-hydroxy-6-methyl-, hydrochloride	58-56-0	Yes	DSL	EINECS

* * * Section 16 - Other Information * * *

Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.

VITAMIN B-COMPLEX 100 INJECTION

SAFETY DATA SHEET

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

Product Identifier

Product name: Vitamin B-Complex 100 Injection

Intended Use of the Product

Use of the substance/mixture: Pharmaceutical. For parenteral administration of vitamins. Refer to product insert for usage instructions and product information.

Name, Address, and Telephone of the Responsible Party

Supplier:
Mylan Institutional LLC
1718 Northrock Court
Rockford, IL 61103 USA
800.848.0462
www.mylan.com

Manufacturer:
Mylan Teoranta
Galway, Ireland

Emergency Telephone Number

Emergency number : +1 877-446-3679

2. HAZARDS IDENTIFICATION

Patients/Consumers: Please refer to the product information insert or product label for appropriate consumer-specific information about this product when used according to the physician's directions. Pharmaceutical Agent – Handling of this product in its final form presents minimal occupational exposure risk.

Classification of the Substance or Mixture

Classification (GHS-US)
Eye Irrit. 2A H319

Label Elements

GHS-US labeling

Hazard pictograms (GHS-US) :

GHS07

Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : H319 - Causes serious eye irritation

Precautionary statements (GHS-US) : P264 - Wash hands, forearms, and exposed areas thoroughly after handling.
P280 - Wear eye protection, protective gloves, protective clothing.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.

Other Hazards

Other hazards not contributing to the classification: May produce an allergic reaction.

Unknown acute toxicity (GHS-US) Not available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Product identifier	% (w/w)	Classification (GHS-US)
Nicotinamide	(CAS No) 98-92-0	10	Eye Irrit. 2A, H319
Thiazolium, 3-[(4-amino-2-methyl-5-pyrimidinyl)methyl]-5-(2-hydroxyethyl)-4-	(CAS No) 67-03-8	-	Not classified

methyl- chloride, monohydrochloride			
Benzyl alcohol	(CAS No) 100-51-6	2	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 3 (Inhalation:vapour), H331 Aquatic Acute 2, H401
Butanamide, 2,4-dihydroxy-N-(3-hydroxypropyl)-3,3-dimethyl-, (R)-	(CAS No) 81-13-0	-	Not classified
3,4-Pyridinedimethanol, 5-hydroxy-6-methyl-, hydrochloride	(CAS No) 58-56-0	-	Not classified
Riboflavin 5'-(dihydrogen phosphate), monosodium salt	(CAS No) 130-40-5	-	Not classified

Full text of H-phrases: see section 16

Additional Information: Sodium Hydroxide and/or Hydrochloric Acid may have been used to adjust pH.

4. FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: The risk of inhalation exposure is negligible when product is in its final packaged form. If exposed and become symptomatic, move to fresh air and get medical attention if symptoms persist.

Skin Contact: Basic hygiene and appropriate precautions should prevent skin contact. If skin contact occurs, wash affected area with soap and water for at least 15 minutes. Should skin irritation, allergic reaction, or rash occur, remove contaminated clothing (if required) and seek medical advice.

Eye Contact: The risk of eye exposure is negligible when product is in its final packaged form. If eye contact occurs, flush immediately with water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Ingestion: Ingestion is not an anticipated route of exposure. If accidental ingestion occurs, flush mouth out with water and get medical attention.

Most Important Symptoms and Effects Both Acute and Delayed

General: Please refer to the package insert for more detailed information.

Inhalation: Inhalation is not expected to be a potential route of exposure.

Skin Contact: May be irritating to the skin or produce an allergic reaction in individuals sensitive to one or more ingredients.

Eye Contact: Causes serious eye irritation.

Ingestion: May cause gastrointestinal irritation.

Injection: Mild transient diarrhea, swelling, and in some cases, allergic/anaphylactic reaction.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. In the event of accidental injection, go immediately to the nearest emergency room.

5. FIREFIGHTING MEASURES

Extinguishing Media

Suitable extinguishing media: Dry chemical powder, alcohol foam, carbon dioxide, water spray, fog.

Unsuitable extinguishing media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire hazard: Not considered flammable but may burn at high temperatures.

Explosion hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

Precautionary measures fire: Exercise caution when fighting any chemical fire.

Firefighting instructions: Use water spray or fog for cooling exposed containers.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO_2).

Other information: Refer to Section 9 for flammability properties.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General measures: Avoid all eye and skin contact and do not breathe vapor and mist.

For Non-Emergency Personnel

Protective equipment: Use appropriate personal protection equipment (PPE).

Emergency procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective equipment: Equip cleanup crew with proper protection.

Environmental Precautions
Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up
Methods for cleaning up: For small quantities associated with normal therapeutic use, collect spillage and transfer to a closed waste container for disposal. For large or bulk quantities, after absorption with inert material, collect spillage by sweeping up spilled material and place in a labeled, sealed container for proper disposal.

Reference to Other Sections
See heading 8, Exposure Controls and Personal Protection.

7. HANDLING AND STORAGE

Precautions for Safe Handling
Patients/Consumers: Patients should adhere to the instructions provided within the product information insert or product label for appropriate consumer-specific information about this product when used according to the physician's directions.
Hygiene measures: This SDS is for a pharmaceutical agent - Handling of this product in its final form presents minimal occupational exposure risk. In an occupational setting, handle in accordance with good industrial hygiene and safety procedures. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use appropriate personal protective equipment when handling and observe good personal hygiene measures after handling.

Conditions for Safe Storage, Including Any Incompatibilities
Storage conditions: Store in a dry, cool and well-ventilated place. Protect from heat and direct sunlight. Store in original container. Do not freeze.
Storage temperature: 2-8°C (36-46°F)
Special rules on packaging: Phase separation due to reduced solubility can occur under certain conditions of shipping or storage (e.g. accidental freezing), which may produce visible particles. Do not use product if these do not redissolve on warming to body temperature and shaking well.

Specific End Use(s)
Pharmaceutical. Refer to product insert for usage instructions and product information.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters
No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

Exposure Controls
Appropriate engineering controls: Not generally required. Site-specific risk assessments should be conducted to determine the appropriate exposure control measures. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.
Personal protective equipment: Gloves. In case of splash hazard: safety glasses. Protective clothing.
Hand protection: Wear protective gloves made from PVC, neoprene, nitrile, vinyl, or PVC/NBR.
Eye protection: In laboratory, medical or industrial settings, or operations in which airborne particulates will be generated, safety glasses with side shields are recommended.
Skin and body protection: In laboratory, medical or industrial settings, impervious disposable gloves and protective clothing are recommended if skin contact with drug product is possible.
Respiratory protection: When manufacturing or handling product in large quantities and dusts or particulates may be generated, maintain airborne concentrations below recommended limits. Workplace risk assessments should be completed before specifying and implementing respirator usage. NIOSH/MSHA approved respirators for protection should be used if respirators are found to be necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical state	:	Liquid
Appearance	:	Clear
Odor	:	Odorless
Odor threshold	:	Not available
pH	:	Not available
Relative evaporation rate (butyl acetate=1)	:	Not available
Melting point	:	Not available
Freezing point	:	Not available
Boiling point	:	Not available
Flash point	:	Not available
Auto-ignition temperature	:	Not available
Decomposition Temperature	:	Not available
Flammability (solid, gas)	:	Not available
Lower flammable limit	:	Not available

Upper flammable limit	:	Not available
Vapor pressure	:	Not available
Relative vapor density at 20 °C	:	Not available
Relative density	:	Not available
Specific gravity	:	Not available
Solubility	:	Not available
Log Pow	:	Not available
Log Kow	:	Not available
Viscosity, kinematic	:	Not available
Viscosity, dynamic	:	Not available
Explosion data - sensitivity to mechanical impact	:	Not available
Explosion data - sensitivity to static discharge	:	Not available

10. STABILITY AND REACTIVITY

Reactivity Hazardous reactions will not occur under normal conditions.
Chemical Stability Stable under normal conditions.
Possibility of Hazardous Reactions Hazardous polymerization will not occur.
Conditions to Avoid Direct sunlight. Extremely high or low temperatures. Ignition sources.
Incompatible Materials Strong oxidizers. Strong bases. Strong acids.
Hazardous Decomposition Products Carbon oxides (CO, CO_2).

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute toxicity: Not classified
LD50 and LC50 Data: Not available
Skin Corrosion/Irritation: Not classified
Serious Eye Damage/Irritation: Causes serious eye irritation.
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Teratogenicity: Not available
Carcinogenicity: Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Aspiration Hazard: Not classified

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Benzyl alcohol (100-51-6)	
LD50 oral rat	1230 mg/kg
LD50 dermal rabbit	2 g/kg
LD50 Intravenous Rat	53 mg/kg
LC50 inhalation rat (mg/l)	8.8 mg/l/4h

Nicotinamide (98-92-0)	
LD50 dermal rabbit	> 2000 mg/kg
ATE (oral)	3500.000 mg/kg

12. ECOLOGICAL INFORMATION

Toxicity

Benzyl alcohol (100-51-6)	
LC50 fish 1	460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	23 mg/l (Exposure time: 48 h - Species: water flea)
LC50 fish 2	10 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

Nicotinamide (98-92-0)	
LC50 fish 1	> 1000 mg/l (Exposure time: 96 h - Species: Poecilia reticulata [static])

Persistence and Degradability Not available

Bioaccumulative Potential

Benzyl alcohol (100-51-6)	
Log Pow	1.1

13. DISPOSAL CONSIDERATIONS

Waste disposal recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations. Do not dispose of waste into sewer.

Additional information: Contaminated sharps should be discarded immediately or as soon as possible in containers that are closable, puncture-resistant, leak proof on sides and bottoms, and appropriately labeled. Contact your local health department for referral to a Safe Syringe Disposal Program.

14. TRANSPORT INFORMATION

In Accordance With ICAO/IATA/DOT/TDG

UN Number Not regulated for transport

UN Proper Shipping Name Not regulated for transport

15. REGULATORY INFORMATION

US Federal Regulations

Vitamin B-Complex 100 Injection	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard

Benzyl alcohol (100-51-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Riboflavin 5'-(dihydrogen phosphate), monosodium salt (130-40-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Nicotinamide (98-92-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Thiazolium, 3-[(4-amino-2-methyl-5-pyrimidinyl)methyl]-5-(2-hydroxyethyl)-4-methyl- chloride, monohydrochloride (67-03-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Butanamide, 2,4-dihydroxy-N-(3-hydroxypropyl)-3,3-dimethyl-, (R)- (81-13-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

3,4-Pyridinedimethanol, 5-hydroxy-6-methyl-, hydrochloride (58-56-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State Regulations

Benzyl alcohol (100-51-6)

U.S. - Massachusetts - Right To Know List
U.S. - Minnesota - Hazardous Substance List
U.S. - New Jersey - Water Quality - Ground Water Quality Criteria
U.S. - New Jersey - Water Quality - Practical Quantitation Levels (PQLs)
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Texas - Effects Screening Levels - Short Term

Canadian Regulations

Vitamin B-Complex 100 Injection	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects

Benzyl alcohol (100-51-6)

Listed on the Canadian DSL (Domestic Substances List) inventory.
Listed on the Canadian Ingredient Disclosure List

WHMIS Classification	Class B Division 3 - Combustible Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects

Riboflavin 5'-(dihydrogen phosphate), monosodium salt (130-40-5)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Nicotinamide (98-92-0)

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification	Uncontrolled product according to WHMIS classification criteria

Thiazolium, 3-[(4-amino-2-methyl-5-pyrimidinyl)methyl]-5-(2-hydroxyethyl)-4-methyl- chloride, monohydrochloride (67-03-8)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Butanamide, 2,4-dihydroxy-N-(3-hydroxypropyl)-3,3-dimethyl-, (R)- (81-13-0)
Listed on the Canadian DSL (Domestic Substances List) inventory.

3,4-Pyridinedimethanol, 5-hydroxy-6-methyl-, hydrochloride (58-56-0)
Listed on the Canadian DSL (Domestic Substances List) inventory.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

16. OTHER INFORMATION

Revision date : 02/11/2014

Data sources : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Other information : This document has been prepared in accordance with standards for workplace safety. The precautionary statements and warnings included might not apply in all cases. Your needs may vary depending on the potential for exposure in your workplace.

GHS Full Text Phrases:

Acute Tox. 3 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 4	Flammable liquids Category 4
H227	Combustible liquid
H302	Harmful if swallowed
H312	Harmful in contact with skin
H319	Causes serious eye irritation
H331	Toxic if inhaled
H401	Toxic to aquatic life

Party Responsible For The Preparation Of This Document:
Mylan Global Environmental, Health, and Safety Department
Phone Number: 304-599-2595

This MSDS has been prepared for occupational exposure and intended to address some end-user concerns; however, patients/consumers are also strongly encouraged to review the product information insert or product label for consumer-specific information about this product. Patients/Consumers: Refer to the package insert or product label for appropriate consumer-specific information about this product when used according to manufacturer's directions.
To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for completeness of the information herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

North America Mylan Pharmaceuticals