

# MATERIAL SAFETY DATA SHEET

Version 3  
Product Name VITAMIN B1 (THIAMINE HYDROCHLORIDE)

Issue Date 08-Jun-2020  
Revision date 08-Jun-2020

## SECTION 1: Identification of the substance /mixture and of the company/undertaking

### 1.1. Product identifier

Product Name VITAMIN B1 (THIAMINE HYDROCHLORIDE)  
REACH registration number No data

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Nutritional Supplement, Feed Additive and pharmaceutical  
Uses advised against No information available

### 1.3. Details of the supplier of the safety data sheet

Supplier SHANGHAI ZNC BIOTECHNOLOGY Co., Ltd.  
Address Room 617, Building 4-5, No.500 East Gaoke Road, Pudong New Area, China  
Postal Code 201210  
Phone +86-21-68453907  
FAX +86-21-58356660  
E-mail info@zncbio.com

Importer

Address

Postal Code

Phone

FAX

E-mail

### 1.4. Emergency telephone number

+86-21-68453907

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Not a dangerous substance or mixture according to Regulation (EC) No. 1272/2008 [CLP]

### 2.2. Label elements

Symbols/Pictograms None  
Signal word None  
Hazard Statements Not applicable  
Precautionary Statements Not applicable

### 2.3. Other hazards

No information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Thiamine Hydrochloride(salt)	200-641-8	67-03-8	98.0-102.0	Not classified

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General advice

If symptoms persist, call a physician.

#### Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

#### Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

#### Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### Ingestion

Rinse mouth Get medical attention Never give anything by mouth to an unconscious person

### 4.2. Most important symptoms and effects, both acute and delayed

No information available

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Water spray (fog). Extinguishing powder. Alcohol resistant foam. Dry chemical.

#### Unsuitable extinguishing media

No information available

### 5.2. Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides, sulfur oxides, hydrogen chloride gas

### 5.3. Advice for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust generation. To avoid inhaling steam, smoke or gas. Avoid inhalation of dust.

### 6.2. Environmental precautions

Don't let the product get into the sewer.

**6.3. Methods and material for containment and cleaning up**

Do not produce dust when collecting and disposing. Sweep and shovel. To be treated in a suitable container.

**6.4. Reference to other sections**

Please refer to section thirteenth for discarding.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

To avoid the formation of dust and aerosols.

Where there is dust generation, provide the appropriate exhaust equipment.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep containers tightly closed in a dry, cool and well-ventilated place

Keep away from heat

Keep at a temperature not exceeding 30 °C

Store in accordance with local regulations

**7.3. Specific end use(s)**

No data information

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

No data available

**Derived No Effect Level (DNEL)**

No hazard identified

**Predicted No Effect Concentration (PNEC)**

No hazard identified

**8.2. Exposure controls****Engineering Controls**

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

Eye/face protection

Wear safety glasses with side shields (or goggles)

Hand Protection

Wear protective nitrile rubber gloves Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves

Skin and body protection

Suitable protective clothing

Respiratory protection

No special technical protective measures are necessary

**Environmental exposure controls**

Do not allow into any sewer, on the ground or into any body of water

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

**Appearance**

Crystalline or crystalline powder

**Color**

White

**Odor**

A faint peculiar odor

Odor Threshold	Not determined
pH	2.7-3.4
Melting point	240°C
Boiling point / boiling range	No data
Flash point	No data
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Flammability Limit in Air	Not determined
Vapor Pressure	No data
Vapor density	Not determined
Bulk Density	No data
Relative density	Not determined
Specific gravity	Not determined
Water solubility	Slightly soluble
Partition coefficient (LogPow)	Not determined
Autoignition temperature	Not determined
Decomposition temperature	Not determined
Kinematic viscosity	Not determined
Dynamic viscosity	Not determined
Explosive properties	Not an explosive
Oxidizing properties	Not determined

#### 9.2. Other information

No information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No information available.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

None under normal processing.

#### 10.4. Conditions to avoid

Heat, flames and sparks.

#### 10.5. Incompatible materials

Strong bases, Strong oxidizing agents, Strong acids.

#### 10.6. Hazardous decomposition products

None under normal use conditions.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

No information available.

##### Skin corrosion/irritation

Non-irritating to the skin.

**Serious eye damage/eye irritation**

No eye irritation.

**Sensitization**

No sensitization responses were observed.

**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

Not classified

**Reproductive toxicity**

No information available.

**STOT - single exposure**

No information available.

**STOT - repeated exposure**

No information available.

**Aspiration hazard**

No information available.

**SECTION 12: Ecological information**

**12.1. Toxicity**

No information available.

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil**

No information available

**12.5. Results of PBT and vPvB assessment**

The substance is not PBT / vPvB

**12.6. Other adverse effects**

No information available

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Waste from residues/unused products	Disposal should be in accordance with applicable regional, national and local laws and regulations
Contaminated packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations

**SECTION 14: Transport information**

14.1 UN Number	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions	No information available
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Directive 94/33/EC on the protection of young people at work

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

#### International Inventories

Component	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
Thiamine Hydrochloride 67-03-8	X	X	X	X	X	X	X	X

"-" Not Listed

"X" Listed

### 15.2. Chemical safety assessment

No information available

## SECTION 16: Other information

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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Revision Note	Not applicable

#### Key or legend to abbreviations and acronyms used in the safety data sheet

TWA - TWA (time-weighted average)

STEL - STEL (Short Term Exposure Limit)

Ceiling - Maximum limit value

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**Full text of H-Statements referred to under section 3**

Not classified

**Disclaimer**

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