

# SAFETY DATA SHEET

Regulation (EC) No 1907/2006 (REACH), Annex II  
(COMMISSION REGULATION (EU) No 453/2010)

Version 4  
Product Name Vitamin B1 (Thiamine Mononitrate)

Issue Date 30-May-2023  
Revision date 30-May-2023

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

### 1.1. Product identifier

Product Name Vitamin B1 (Thiamine Mononitrate)

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

Recommended Use Widely used in food and feed  
Uses advised against No information available

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

Supplier XINFA PHARMACEUTICAL Co., Ltd.  
Address No.19 Taixing Road, Kenli District, Dongying City, Shandong Province  
Postal Code 257500  
Phone +86-546-2977666  
FAX +86-546-2977808  
E-mail exp@sdxinfo.cn

### 1.4. Emergency telephone number

+86-546-2977588

## 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 Mononitrate (salt)	208-537-4	532-43-4	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

**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

There is no limited requirement for temperature and humidity. Preserve in tight containers, protected from moisture & light, in a cool place.

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

Powder or crystalline powder

### Color

White or almost white

### Odor

Odorless or slight specific odor

### Odor Threshold

Not determined

### Ph

6.0-7.5

### Melting point

196-200°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

Not determined

### (LogPow)

---

<b>Autoignition temperature</b>	Not determined
<b>Decomposition temperature</b>	Not determined
<b>Kinematic viscosity</b>	Not determined
<b>Dynamic viscosity</b>	Not determined
<b>Explosive properties</b>	Not an explosive
<b>Oxidizing properties</b>	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 regulated

**14.8 IMDG /IMO**

This product is not hazardous under the applicable DOT, ICAO/IATA , or IMDG regulations.  
It is suitable for ocean transportation

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/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Thiamine Nitrate(salt) 532-43-4	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**

**Issue Date** 30-May-2023  
**Revision date** 30-May-2023  
**Revision Note** Regularly update

**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**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

----- End of Safety Data Sheet -----