

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 19-Aug-2021
Revision date 19-Aug-2021

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 (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 IMDG /IMO Not regulated
- 14.5 Packing Group Not regulated
- 14.6 Environmental hazards Not applicable
- 14.7 Special precautions No information available
- 14.8 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 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

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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

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.

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