02.09.2025

DistrEbution

Safety information sheet

Version: 1.0 EN

Vitamin B6 – Pyridoxine Hydrochloride

Article number: D10162

This document has been prepared as a communication tool to inform downstream users about both the status of the substance under REACH and CLP, some of its essential properties and the guidance on safe use. An extended safety data sheet (SDS) is not required for this substance under Article 31 of REACH Regulation (EC) No 1272/2008, including the amending Regulation (EU) 2020/878. As a result, the format and content of this document does not comply with the framework for safety data sheets set out in Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006.

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1 Identification of the substance/mixture and the company

1.1 Product identifier

Name	Vitamin B6 – Pyridoxine Hydrochloride
CAS number	58-56-0
EC number	200-386-2
REACH registration	-

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

Description/use	Vitamin B6 is a water-soluble vitamin of the B group that is involved in many important processes in the body. For further information on specific applications, please contact us at the telephone number provided – we will be happy to put you in touch with the relevant specialist department.

1.3 Details of the supplier providing the safety information sheet

Company	DistrEbution GmbH
Adress	Brookdeich 40 21029 Hamburg Germany
Telephone	+49 40 609 2387 60
E-Mail	info@distrebution.com

1.4 Emergency number

+49 40 609 2387 60 (Business hours: Mon - Thu: 8 a.m.- 5 p.m. / Fri: 8 a.m. – 4 p.m.)

2 Potential hazards

2.1 Classification oft he substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]:

- Serious eye damage/eye irritation, Category 1
- Eye Dam. 1, H318: Causes serious eye damage

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]:

- Signal word: Danger
- Hazard pictogram:

- Hazard statements:

  H318: Causes serious eye damage.
- Precautionary statements – Prevention:

  P280: Wear protective gloves/eye protection.
- Precautionary statements – Response:

  P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards

Results of PBT and vPvB assessment

Based on the results of its assessment, this substance is neither a PBT nor a vPvB substance.

Endocrine-disrupting properties

Does not contain any endocrine disruptors (ED) in a concentration of ≥ 0.1%.

3 Composition/information on ingredients

Chemical characterization:	Vitamin B6 – Pyridoxine Hydrochloride
CAS number	58-56-0
EC number	200-386-2
REACH registration	-
Hazardous ingredients	-
Nanoparticles	No nanoparticles according to Regulation (EU) 2018/1881

4 First-aid measures

4.1 Description of first-aid measures

After eye contact

Rinse with water. Seek medical attention if irritation occurs or persists.

After skin contact

Wash off with soap and water. Seek medical attention if irritation occurs or persists.

Inhalation or ingestion

Wash off with soap and water. Seek medical attention if irritation occurs or persists. In case of breathing difficulties, move to fresh air and place in a position that facilitates breathing. Consult a doctor if symptoms occur or persist. Rinse mouth. If a large amount has been swallowed, contact a poison information centre or doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Medical attention is required if irritation or other symptoms occur.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 Firefighting measures

5.1 Extinguishing agents

Suitable extinguishing agents

Water, foam, dry extinguishing agents, carbon dioxide (CO2)

Unsuitable extinguishing agents

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5.2 Special hazards arising from the substance or mixture

No unusual fire or explosion hazards known.

5.3 Advice fo firefighters

Protective equipment for firefighters

Protective equipment for firefighters

Wear suitable protective equipment.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Do not touch damaged containers or spilled material without wearing suitable protective clothing. Ensure adequate ventilation. Avoid inhaling dust. Use personal protective equipment.

6.2 Environmental precautions

No specific information available

6.3 Methods and material for containment and cleaning up

Pick up, sweep up or vacuum up spilled material and collect in suitable, sealed containers. Avoid dust formation during cleaning. Clean surface thoroughly to remove residues. For disposal, see Section 13.

6.4 Reference to other sections

See section 7 for information on safe handling.

See section 8 for information on personal protective equipment.

See section 13 for information on disposal.

7 Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not inhale dust. Ensure adequate ventilation. Wear personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilites

Store in tightly closed, light-resistant containers and protect from light.

7.3 Specific end uses

See section 1 for further information.

8 Exposure controls/personal protective equipment

8.1 Parameters to be monitored

No biological exposure limits specified. This product does not contain any hazardous substances with workplace exposure limits according to regional regulations.

8.2 Limitation and monitoring of exposure

8.2.1 Apprpriate engineering controls

Use process enclosures, local exhaust ventilation or other technical measures to keep exposure in the air below the recommended limits. Ensure adequate ventilation

if dust, fumes or mists are formed. Handle in accordance with good occupational hygiene and safety precautions. Keep emergency exits and hazard control measures ready.

8.2.2 Personal protective equipment

Respiratory protection

If necessary, use NIOSH/MSHA or EN 136 approved respiratory protective equipment.

Hand protection

Wear chemical-resistant protective gloves. Check gloves for damage before use. Gloves must comply with the requirements of EU Directive 89/686/EEC and standard EN 374. Avoid latex gloves if possible (risk of latex allergy). Preferably use nitrile or other synthetic, latex-free gloves.

Eye protection

Wear safety goggles with side protection or tightly fitting safety goggles in accordance with EN 166 (EU) or NIOSH (USA). Wear face protection if there is a risk of splashes or corrosive materials. Keep an eye wash station available in the work area).

Other protective measures

Work according to the principles of good occupational hygiene. Wash hands thoroughly after work.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	Solid powder
Colour	White
Odour	Nutty
Odour threshold	No data available
pH value (5% aqueous solution)	2.4 – 3.0
Melting point	205 –212°C (decomposes)
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gaseous)	No data available

Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour density	7.1
Vapour pressure	< 0.0000001 kPa (at 25°C)
Relative density	No data available
Solubility	Easily soluble in water
Partition coefficient	No data available
n-octanol/water (log value)	No data available
Decomposition temperature	No data available
Auto-ignition temperature	No data available
Viscosity	205.64 g/mol
Molecular weight	Easily soluble in alcohol; insoluble in ether
Solubility	Solid powder

9.2 Other information

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10 Stability and reactivity

10.1 Reactivty

Not reactive under normal processing conditions.

10.2 Chemical stability

Stable under normal storage and handling conditions.

- Sensitivity to mechanical stress: No
- Sensitivity to electrostatic discharge: Yes

10.3 Possibility of hazardous reactions

Not expected under normal processing conditions. Hazardous polymerisation does not occur.

10.4 Conditions to avoid

Avoid dust formation. Keep away from heat, open flames and sparks.

10.5 Incompatible materials

Alkaline solutions, iron salts, oxidising agents.

10.6 Hazardous decomposition products

Under fire conditions: chlorine, nitrogen and sulphur oxides (Cl-, NOx, SOx). Irritating and/or toxic vapours and gases may be produced

11 Toxicological information

11.1 Information on hazard classes according to Regulation (EC) No. 1272/2008

Acute oral toxicity	LD50 mouse = 5500 mg/kg, LD50 rat = 4000 mg/kg
Acute dermal toxicity	No data available
Acute inhalation toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory/skin sensitisation	No data available
Germ cell mutagenicity	S. typhimurium Ames test: Negative
Carcinogenicity	Not classifiable due to insufficient data; not classified as carcinogenic by IARC, NTP or OSHA
Reproductive toxicity	Not classifiable due to lack of data; not known to be toxic to reproduction
Developmental/teratogenic effects	No data available
Specific target organ toxicity after single exposure	No classification possible
Specific target organ toxicity after repeated exposure	No classification possible
Aspiration hazard	No data available

11.2 Information on other hazards

12 Endocrine-disrupting properties

No data available

13 Delayed and immediate effects as well as chronic effects

No data available

14 Other information

No data available

15 Environmental information

15.1 Toxicity

No data available

15.2 Persistence and degradability

No data available

15.3 Bioaccumulatiove potential

No data available

15.4 Mobility in soil

No data available

15.5 Results of the PBT and vPvB assessment

The substance is not a PBT/vPvB.

15.6 Endocrine-disrupting properties

No data available

15.7 Other harmful effects

No data available

16 Disposal instructions

16.1 Waste treatment methods

Product disposal

Disposal in accordance with local, regional, national and international regulations. Waste must be treated in approved waste disposal facilities.

Disposal of packaging

Dispose of empty containers and waste safely. Dispose of waste or used containers in accordance with local regulations.

17 Transport information

17.1 Transport ADR/RID/ADN

No data available

17.2 Transport IMDG

No data avaliable

17.3 Transport ICAO-TI / IATA

No data available

17.4 Packing group

No data available

17.5 Environmental hazards

No data available

17.6 Special precautions for user

No data available

17.7 Transport in bulk by sea according to IMO regulations

No data available

18 Legislation

18.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Inventory and listing status:

- AICS: listed
- DSL/NDSL: listed
- EINECS/ELINCS: listed
- ENCS: listed
- IECSC: listed
- PICCS: listed
- TSCA: listed

18.2 Chemical safety assessment

No substance safety assessment has been carried out for this substance.

19 Other information

19.1 Abbreviations and acronyms

ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road

RID – Regulations concerning the International Carriage of Dangerous Goods by Rail

IMDG – International Maritime Dangerous Goods Code

IATA – International Air Transport Association

GHS – Globally Harmonised System of Classification and Labelling of Chemicals

EINECS – European Inventory of Existing Commercial Chemical Substances

CAS – Chemical Abstracts Service

EC50 – Effective concentration, 50%

LC50 – Lethal concentration, 50%

LD50 – Lethal dose, 50%

TWA – Time Weighted Average

STEL – Short Term Exposure Limit

PBT – Persistent, bioaccumulative and toxic

vPvB – Very persistent and very bioaccumulative

19.2 SVHC

The substances on the ECHA list (http://echa.europa.eu/en/candidate-list-table) are neither expected to be present in our products nor are they intentionally used in the production process. Our products do not come into contact with these substances during production. However, it is not possible to completely rule out traces of these

substances: due to natural impurities or raw material-related properties, an unintentional content of less than 0.1% cannot be completely ruled out.

19.3 Note for users

The information in this data sheet is based on our current knowledge at the time of the last revision. The user is responsible for checking the suitability and completeness of the information in relation to the specific use of the product.

This document does not constitute a guarantee for specific properties of the product. As we have no direct influence on the use of the product, the user is obliged to comply with all applicable laws, regulations and safety and hygiene provisions on his own responsibility. We accept no liability for improper use. Personnel entrusted with the handling of chemicals must be appropriately trained.