

PERLOZA s.r.o.
Terezínská 57
410 17 Lovosice

SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council

Name of product:

**PERLOZA MT100Fine, MT200Fine, MT500Fine,
MT100ExtraFine, MT200ExtraFine, MT500 ExtraFine**

Version: 2

Revision Date: 11.08.2024

1. Identification of the substance/preparation and of the company/undertaking

Product information

Trade name : **PERLOZA MT100Fine, MT200Fine, MT500Fine,
MT100ExtraFine, MT200ExtraFine, MT500 ExtraFine**

ES (EINECS) No.: none

1.1 Use of the substance /preparation: Pharmaceutical industry

Raw material for the preparation of special sorbets used for separation and purification techniques in the field of biotechnology.

1.2 Company/undertaking identification:

Producer - Importer: **Producer**

Name or business name: **PERLOZA s.r.o.**

Place of business or address: **Lovosice, Terezínská 57**

Identification Number (IČ): **25465236**

E-mail: perloza@perloza.cz

1.3 Emergency telephone:

Telephone: +420728168495

Fax: +420416562223

Centre of Ministry of Health

Toxicological information centre (TIS) Na Bojišti 1, 128 08 Praha 2;

Telephone (24 hours/day) 224 91 92 93; 224 91 54 02; 2/24 91 45 75; 224971111

2. Hazards identification

Other information:

Not a hazardous substance or preparation according to ES č.1272/2008

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3. Composition/information on ingredients

Chemical characteristic of the product: PERLOZA is a classical natural polymer, polysaccharide, in the form of porous uniform feqular spherical particles, manufactured by regeneration of cellulose. The polymer structure of regenerated cellulose chains is built up of D-glukopyranose units bindedby beta-glycosidic linkages. Aqueous (15%) dispersion Polymer-cellulose (perl, wet, graded) It uses stabilization with mix of sodium chloride in ethylalcohol without denaturation.

Main element: 85,0 % demiwater

15,0% pearl cellulose

Preservative: 1 MOL Sodium chloride

20 % Ethanol

The product do not contains dangerous substances.

4. First aid measures

General instructions: If health problems appear or in case of doubts, seek always medical aid and pass to the doctor all information mentioned in this safety data sheet

If breathed in: Stop working and go for fresh air.

At contact with skin: Remove the contaminated clothing, quickly wash off with a sufficient amount of water. Later on, wash with water and soap, but without a strong mechanical irritation.

At contact with eyes: As quickly and as carefully as possible rinse both conjunctival sacs with a stream of clean water and seek a medical assistance; if the struck person wears eye lenses these must be removed, prior to the rinsing.

At ingestion: Immediately after the ingestion drink 0,5 l of lukewarm water. **NEVER EVOKE VOMITING!** Seek a doctor.

5. Fire-fighting measures

Suitable extinguishing: Water, Water spray

Specific hazards during fire fighting: No

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Special protecting equipment for the firemen: Isolating breathing device, protective intervention clothes

Further data:

6. Accidental release measures

Safety measures for protection of persons: Protecting clothes, goggles, protecting gloves, secure a venting, do not eat, drink and smoke; in case of overlimit dust concentrations use a respirator against dust.

Safety measures for environmental protection: Clean as quickly as possible the contaminated space, avoid contamination of ground and/or surface waters.

Recommended method of cleaning and disposal: disposal in a dry way, we recommend to utilize composting plants for the disposal.

7. Handling and storage

7.1 Handling: At the manipulation, observe the principles of personal hygiene, minimize the dustiness, do not eat, drink and smoke. Keep order, spilled material upon a firm surface can cause sliding.

7.2 Storage: Storage in original container. Storage in accordance with the particular national regulations. Keep away from direct sunlight. Protect from frost. Protect from contamination. Keep away from heat. Storage temperature 5-30°C.

8. Exposure controls/personal protection

8.1 Exposure limit values:

PEL – Admissible exposure limit of a chemical substance in the atmosphere it is not intended (concentration limits are stated in the Decree of the Government No. 361/2007)

8.2 Exposure controls:

It is not specified.

8.3 Personal protective means:

Protection of respirator organs: no

Protection of eyes: no

Protection of hands: protective gloves – material rubber

Protection of the whole body: no

Further data including the general hygienic measures: After the work wash your hands with water and soap and treat the skin with a reparation cream, e.g. Indulona or Reparon.

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9. Physical and chemical properties

State (at 20deg. C): aqueous dispersion

Colour: white

Smell (scent): weak

pH value (at 25 deg. C and concentration 10 %): 5,0 – 8,0

Melting temperature (temperature rate) (deg. C): undetermined

Boiling temperature (temperature rate) (deg. C): --

Inflammation point (deg. C): --

Inflammability: --

Self-flammability (pyrophoric properties): --

Explosion limits: upper limit (% b.v.): It is not an explosive substance.

lower limit (% b.v.): --

Oxidation properties: undetermined

Vapour tension (at deg. C): undetermined

Density (at 25 deg. C): 1,1g/cm³

Solubility (at deg. C):

- **in water:** insoluble

- **in fats (incl. oil specification):** undetermined

Distribution coefficient n-octanol/water: undetermined

10. Stability and reactivity

Conditions of product stability: under normal conditions.

Conditions to be avoided: Impurities Keep away from direct sunlight, heat. Protect from frost.

Substances and materials, the product must not come in contact with: --

Dangerous products of decomposition: --

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11. Toxicological information

Acute toxicity:

- **LD₅₀, orally, rat (mg.kg⁻¹):** undetermined
- **LD₅₀, dermally, rat or rabbit (mg.kg⁻¹):** undetermined
- **LC₅₀, inhalationally, rat, for aerosols or particles (mg.l⁻¹/4h):** undetermined
- **LC₅₀, inhalationally, rat, for gases and vapours (mg.l⁻¹/4h):** undetermined

Subchronic - chronic toxicity: no

Irritability: no

Sensitization: no

Carcinogenicity: no

Mutagenicity: no

Toxicity for reproduction: no

Experiences with effects on people: no problems

Testing on animals: --

Further data: --

12. Ecological information

Acute toxicity for aquatic organisms LD50/96 hours (mg.l⁻¹): undetermined

- **LC₅₀, 3,9 hours, fishes(mg.l⁻¹):** undetermined
- **EC₅₀, 48 hours, daphnia (mg.l⁻¹):** undetermined
- **IC₅₀, 72 hours, algae(mg.l⁻¹):** undetermined

Decomposability: decomposabilited

Further data: --

COD: --

BOD5: --

Further data: The product is not classificated as dangerous rof the environment.

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13. Disposal consideration

The ways of substance/preparation disposal: disposal in a dry way

Ways of disposal of contaminated packaging: Buyback of emptied PE packages secures the company EKO-KOM a.s. Praha, cleaned PE package is recyclable.

Further data (waste classification according to the executing notice No. 381 to the Law No. 541/2020 Sb., on wastes, waste type code, name of the waste type, waste category): The disposal must proceed in accordance with valid regulations.

14. Transport information

It is not a subject to regulations ADR/RID. Do not lean down. Protect from frost. For the transportation by public means of transport, the regulations of the public carrier are valid.

15. Regulatory Information

The Law No. 350 / 2011 Sb., of chemical substances and chemical preparations, as amended by later regulations

Decree of the Government No. 361/2007, determining the conditions of protection of health of employees at work, as amended by the later regulations

Law No. 541 / 2020 Sb., of wastes as amended by later regulations

Law No. 254/2001 Sb., of waters, as amended by later regulations

European agreement in the international road transport of dangerous matters (ADR)

Decree of European Parliament and of the Council No. 1272/2008 (CLP)

Classification and marking of substance /preparation acc. to the Law No. 229/2008 Sb.:

Symbol of danger: The product is not classified as dangerous

Dangerous substances : --

R-sentences (full wording): --

S-sentences (full wording): --

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16. Other information

The Safety data sheet was elaborated in accordance with the regulation No. 1907/2006, annex II, determining the detailed content of the Safety data sheet. The data were drawn from literature, database MedisAlarm III, from experiences of people.

It contains data necessary for the identification of safety and health protection at work and of environmental protection. These data do not replace the quality specification and cannot be regarded as guarantee of acceptability and usability of this product for a particular application. The mentioned knowledge corresponds with the state of knowledge and experiences and is in accordance with our valid regulations. Responsible for the observance of valid regional is the user.

Elaborated by: PERLOZA s.r.o, Lovosice