SAFETY DATA SHEET

According to Regulation GB/T 16483 and GB/T 17519

		Version	2.01
SDS Number	CPDP054	Revision Date	2026-01-01
Product Number	CPDP054	Issue Date	2024-04-01

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

Product identifier

Product name	:	CelliMax CHO Z plus Medium
Product type	:	Powder
Brand	:	CelluPro

Details of the supplier of the safety data sheet

Supplier	:	CelluPro, Ltd. 60 Beijing Middle Road, Economic & Technological Development Area, Yantai, Shandong, China
Postal code	:	264006
Telephone	:	+86 535-3573398
E-mail	:	support@cellupro.cn

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

Relevant identified uses

Only for cell culture-related research and production, should not be used for medical, household or other purpose.

Uses advised against

Not applicable.

Emergency telephone number

+86 535-3573480

SECTION 2：Hazards identification

Emergency Overview

Direct contact with the powder may cause skin irritation and serious eye irritation. In case of emergency, provide this safety data sheet to the doctor on site. After inhalation: Move to fresh air and ensure air passage is clear. If symptoms occur, seek medical advice. After skin contact: Remove contaminated material immediately. Take off all contaminated clothing. Wash skin thoroughly with water and shower. After eye contact: Rinse cautiously with plenty of water. Remove contact lenses if present and continue rinsing with ample water. Seek medical advice if any symptoms appear. After ingestion: Have the person drink water (up to 2 glasses) immediately and observe. If symptoms occur, seek medical advice. It has flammable mixture components, and dust explosion hazard. Hazardous gases or vapors may be released in the event of fire.

GHS classification of danger

Causes skill corrosion/irritation (Class 2), H315

Causes serious eye damage/eye irritation (Class 2A), H319

GHS label elements, including precautions

Label elements

Hazard pictogram

Not applicable

Signal word

No signal word

Physical and chemical hazards

None known

Health hazards

H303 May be harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

Environmental hazards

None known

Other hazards

None known

SECTION 3: Composition/information on ingredients

Substances/Mixtures

Mixture

Mixtures

None known within the current knowledge of the supplier.

SECTION 4: First aid measures

Description of first aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if necessary.

Skin contact

In case of skin contact: Remove immediately and take off all contaminated clothing. Rinse skin thoroughly with plenty of water or shower.

Eye contact

After eye contact: Rinse immediately with a large amount of water. Remove contact lenses if present and continue rinsing with ample water. Seek medical attention if necessary.

Ingestion

After ingestion: Drink water immediately (up to 2 glasses) and observe. Rinse mouth with water. If discomfort occurs, seek medical attention.

Most important symptoms and effects, both acute and delayed

See the most important known symptoms and effects in Section 11.

Indication of any immediate medical attention and special treatment needed

No specific data

Note to physicians

This mixture is a high-purity, chemically-defined formulation primarily consisting of cell culture-grade components such as amino acids, vitamins, sugars, inorganic salts, and trace elements. It is designed to provide nutrition for mammalian cell culture and is not intended for human use.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Water spray, dry powder, foam or carbon dioxide

Unsuitable extinguishing media

No limitations for the substance/mixture

Special hazards arising from the substance or mixture

Carbon oxide

Nitrogen oxide

Sulphur oxide

Phosphorus oxide

Hydrogen chloride gas
Potassium oxide
Sodium oxide
A mixture of combustible components
Risk of dust explosion
May generate toxic gases or vapors if fired

Advice for firefighters

Standard procedures for responding to chemical fires.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation to avoid breathing vapors/aerosols.
Put on appropriate personal protective equipment.
See section 8 for more information.

Environmental precautions

Do not let product enter drains.

Methods and material for containment and cleaning up

Cover the drains. Pick up, contain, and pump off spills into a properly closed container for disposal.
Absorb with inert absorbent materials and dispose of as chemical waste. Clean up the affected area.

SECTION 7: Handling and storage

Precautions for safe handling

Wash skin thoroughly after operation.
Wear protective gloves/eyewear/masks.

Conditions for safe storage, including any incompatibilities

Storage conditions

Keep dry. Store in a low-humidity environment. The packaging container must be tightly sealed.

Storage stability

Recommended storage temperature is 2-8 °C
Away from light.
Store away from strong oxidizing agents. Although the mixture is non-flammable, as an organic mixture, there may be risks when combined with strong oxidizing agents.

Stability After Opening

Once opened, the stability of the product decreases significantly due to exposure to moist air and potential contaminants.
It is recommended to mark the opening date on the packaging.

Use the product as soon as possible and avoid repeated openings.
For any remaining product after prolonged opening, its potency may have decreased, and it is not recommended for use in critical experiments.

SECTION 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits
No substances of occupational exposure limits included.

Exposure controls

Appropriate engineering controls
Change contaminated clothing and wash hands and face after handling chemical products.

Individual protection measure

Respiratory protection
If ventilation is inadequate, please wear a respirator and components that comply with government protection standards.

Hand protection
Wear appropriate protective gloves.
Glove material: Compatible chemical-resistant gloves.

Eye protection
Tightly sealed goggles.

Skin/body protection
Wear appropriate protective clothing.

Sanitary measure
Operate in accordance with good industrial hygiene and safety practices.

Environmental exposure controls
Do not let product enter drains.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

a)	Appearance	Physical state: powder
b)	Odor	Faint characteristic odor
c)	Odor threshold	No data available
d)	Ph	No data available
e)	Melting point/freezing point	No data available
f)	Initial boiling point and boiling range	No data available
g)	Flash point	No data available
h)	Evaporation rate	No data available

i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or explosive limits	No data available
k)	Vapor pressure	No data available
l)	Vapor density	No data available
m)	Density/Relative density	No data available
n)	Solubility(ies)	Freely soluble
o)	Partition coefficient: n-octanol/water	No data available
p)	Auto-ignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidizing properties	No data available

Other safety information

No data available

SECTION 10: Stability and reactivity

Reactivity

No data available

Chemical stability

The product is chemically stable under normal conditions of storage and use (room temperature)

Possibility of hazardous reactions

No data available

Conditions to avoid

Exposure to moisture and high humidity

Contact with water or exposure to high-humidity environments may cause the mixture to absorb moisture, clump, hydrolyze, or degrade chemically, leading to loss of efficacy.

High temperature

Avoid exposure to high temperatures (e.g., > 37°C). Elevated temperatures can accelerate chemical degradation reactions of unstable components in the mixture.

Strong light exposure

Avoid prolonged direct light or ultraviolet (UV) exposure. Light-sensitive components may undergo photolysis, leading to reduced potency.

Incompatible materials

Avoid storage or contact with incompatible substances such as strong oxidizing agents.

No known hazardous reactions are expected under normal conditions of use.

Hazardous decomposition products

No hazardous decomposition products are generated under normal storage and usage conditions.
In the event of a fire, harmful substances may be produced upon decomposition. The nature of the decomposition products is not fully characterized.

Other decomposition products
No data available

SECTION 11: Toxicological information

Information on toxicological effects

Mixture

Acute toxicity
No evidence of acute toxicity
Oral: no data available
Inhalation: no data available
Dermal: no data available
Eye contact: no data available

Skin corrosion/irritation
The mixture may cause skin irritation

Serious eye damage/eye irritation
The mixture may cause severe eye irritation.

Respiratory or skin allergies
The mixture may cause allergies.

Germ cell mutagenicity
No data available

Carcinogenicity
No data available

Reproductive toxicity
No data available

Specific target organ toxicity (single exposure)
No data available

Specific target organ toxicity (repeated exposure)
No data available

Aspiration hazard
No data available

Annotation
To the best of our knowledge, the chemical, physical, and toxicological properties have not been fully studied.
The nature of the hazard cannot be excluded, but it should not occur under proper treatment.

SECTION 12: Ecological information

Ecotoxicity

No substances that are hazardous to the environment or cannot be degraded in waste water treatment plants included.

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other adverse effects

No data available

SECTION 13: Disposal considerations

Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. The mixture container must be disposed of according to standard disposal techniques. Disposal of this product, solutions or any by-products should comply with all appropriate local, reginal, or national/federal regulations.

SECTION 14: Transport information

UN number

ADR/RID: - IMDG: - IATA-DGR: -

UN proper shipping name

ADR/RID: None-dangerous goods
IMDG: None-dangerous goods
IATA-DGR: None-dangerous goods

Transport hazard class(es)

ADR/RID: - IMDG: - IATA-DGR: -

Packing group

ADR/RID: - IMDG: - IATA-DGR: -

Environmental hazards

ADR/RID: no	IMDG/ Marine pollutant: no	IATA: no

Special precautions for user

No data available

Incompatible materials

Strong oxidant

Other information

Not classified as hazardous by transport regulations.

SECTION 15: Regulatory information

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

Applicable regulations

If applicable, this chemical complies with the requirements of the State Council Decree No. 645 “Regulations on the Safety Management of Hazardous Chemicals” (2013 Revision).
This product is not listed in the “Hazardous Chemicals Inventory” (2025 Edition).
The safety classification of this product conforms to the Chinese national standard “Specifications for Classification and Labelling of Chemicals” (GB 30000 series).

Other regulations

Please note that waste disposal should also meet the requirements of local regulations.

SECTION 16: Other information

This revised SDS includes updates to the following sections:

- The overall layout of the SDS has been modified.
- Additional descriptions have been added to Section 4—First aid measures.
- Additional descriptions have been added to Section 7—Handling and storage.
- An odor description has been added to Section 9—Physical and chemical properties.
- Additional descriptions have been added to Section 10—Stability and reactivity.
- Additional descriptions have been added to Section 15—Regulatory information.

To the best of our knowledge, the information contained herein is accurate and used as a guidance only. The information in this document is based on our current knowledge and is applicable to the product with regard to appropriate safety tips. It is not to be considered a warranty of the properties of the product. CelluPro, Ltd. assumes no liability for any damage caused by handling or contact with the above product.

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