

MSDS

(MATERIAL SAFETY DATA SHEET)

The information is provided as a service to our customers and is intended only for their use.

This information is based on technical information believed to be reliable and will be revised as new knowledge or experience is gained.

Version : 02

Date of issue : 2023-07-08

Revision date : 2025-11-27

1. Identification

A. Product Name

- BASAL CHO MX

B. Recommended use and restriction on use

- Chemical description : Biopharmaceutical cell line culture media

- Recommended Use : Pharmaceuticals

- Restriction on use : Don't use this for other use

C. Manufacturer / Supplier / Distributor information

- Company Name : Ajinomoto CELLiST Korea Co., Inc.

- Address : 105, Jisikgiban-ro, Songdo-dong, Yeonsu-gu, Incheon 21991, KOREA

- Dept. : Production Division / Technical Group

- Telephone number : +82-32-210-2600

- Emergency number : +82-32-210-2600

- FAX number : 032-210-2604

- E-mail address : sales@ajinomotocellist.com

2. Hazard Identification

A. Classification of the substance or mixture

o GHS US Classification

Not classified

B. GHS label elements, including precautionary statements

o GHS US labelling

No labelling applicable

C. Other hazards which do not result in classification

No additional information available

D. Unknown acute toxicity (GHS US)

Not applicable

3. Composition / Information on ingredients**A. Substances**

Not applicable

B. Mixtures

Name	Product identifier	%	GHS US classification
L-Histidine•HCl•H ₂ O	5934-29-2	1 ~ 3 %	Eye Irrit. 2A, H319

4. First-aid measures**A. Description of first aid measures**

- First-aid measures general : If exposed or concerned: Get medical advice/attention.
- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
- First-aid measures after skin contact : If skin irritation occurs: Get medical advice/attention. Wash immediately with lots of water (15 minutes)/shower. Remove clothing while washing.
- First-aid measures after eye contact : Rinse eyes with water as a precaution. Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

B. Most important symptoms and effects (acute and delayed)

No additional information available

C. Immediate medical attention and special treatment, if necessary

No additional information available

5. Fire-fighting measures**A. Suitable (and unsuitable) extinguishing media**

Suitable extinguishing media : Dry powder. Foam. Carbon dioxide.

B. Specific hazards arising from the chemical

No additional information available

C. Special protective equipment and precautions for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
- Other information : On exposure to high temperature, may decompose, releasing toxic gases.

6. Accidental release measures

A. Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel
 - Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene.
- For emergency responders
 - Protective equipment : Do not attempt to take action without suitable protective equipment.

B. Environmental precautions

Avoid release to the environment.

C. Methods and material for containment and cleaning up

- Methods for cleaning up : Wash clothing and equipment after handling.
- Other information : Dispose of materials or solid residues at an authorized site.

7. Handling and storage

A. Precautions for safe handling

- Precautions for safe handling : Wear personal protective equipment. Provide adequate ventilation to minimize dust and/or vapor concentrations.
- Hygiene measures : Do not eat, drink or smoke when using this product.
Always wash hands after handling the product.

B. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed.
- Packaging materials : Store separately from oxidizing agents and strongly alkaline and strongly acidic materials.

8. Exposure controls / personal protection

A. Control parameters

L-Histidine•HCl•H₂O : Not applicable

B. Appropriate engineering controls

- Appropriate engineering controls : Laboratory samples should be handled in a fumehood. Local exhaust and general ventilation must be adequate to meet exposure standards.
- Environmental exposure controls : Avoid release to the environment.

C. Individual protection measures / personal protective equipment

Materials for protective clothing : Wear protective clothing impervious to substances in the mixture.

○ Respiratory protection

- Use NIOSH approved respirator with APF 10 or greater in accordance with 29 CFR 1910.134 as follows. Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use. NIOSH approved respirators as follows: Any chemical cartridge respirator with P100 HEPA filter(s). Any chemical cartridge respirator with a full facepiece and P100 HEPA filter(s). Any air-purifying respirator with a full

facepiece and P100 HEPA filter(s).

○ **Eye protection**

- Sealed safety goggles. Provide an emergency eye wash station and quick drench shower in the immediate work area.

○ **Hand protection**

- Protective gloves

○ **Skin protection**

- Wear protective clothing impervious to substances in the mixture. Protective gloves

9. Physical and chemical properties

A.	Appearance	
	- Appearance	Solid (Powder)
	- Color	Not available
B.	Odor	Characteristic
C.	Odor threshold	Not available
D.	pH	Not available
E.	Melting point/Freezing point	Not available
F.	Initial Boiling Point/Boiling Ranges	Not available
G.	Flash point	Not available
H.	Evaporation rate	Not applicable
I.	Flammability (solid, gas)	Not available
J.	Upper/Lower Flammability or explosive limits	Not available
K.	Vapour pressure	Not applicable
L.	Solubility	Not available
M.	Vapour density	Not applicable
N.	Specific gravity (Relative density)	Not available
O.	Partition coefficient of n-octanol/water	Not available
P.	Autoignition temperature	Not available
Q.	Decomposition temperature	Not available
R.	Viscosity	Not available
S.	Molecular weight	Not available

10. Stability and reactivity

A. Reactivity

To our knowledge, the product does not present any particular risk, under normal conditions of use.

B. Chemical stability

Stable under normal conditions. To our knowledge, the product does not present any particular risk, under normal conditions of use.

C. Possibility of hazardous reactions

No additional information available

D. Conditions to avoid

No additional information available

E. Incompatible materials

Strong acids. Strong bases.

F. Hazardous decomposition products

Carbon dioxide. May liberate toxic gases. Carbon monoxide. Smoke.

11. Toxicological information**A. Information on toxicological effects**

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: Not applicable

L-Histidine•HCl•H₂O (5934-29-2)

LD50 oral rat : > 2000 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD
Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)

12. Ecological information**A. Toxicity**

No additional information available

B. Persistence and degradability

Not rapidly degradable

C. Bioaccumulative potential

No additional information available

D. Mobility in soil

No additional information available

E. Other adverse effects

No additional information available

13. Disposal considerations**A. Disposal methods**

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations : an industrial incineration plant.

14. Transport information

In accordance with DOT/IMDG/IATA

A. UN No.

Not regulated for transport

B. UN proper shipping name

Not applicable

C. Transport hazard class

Not applicable

D. Packing group

Not applicable

E. Environmental hazards

No supplementary information available.

F. Special precautions for user

No data available

G. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. Regulatory information**A. US Federal regulations**

This product is not intended for uses encompassed by TSCA.

In accordance with federal regulations, this material shall only be used for the purpose described in the generic use. All users must utilize the worker protection measures and environmental release controls specified in this Safety Data Sheet and in EPA and OSHA regulations. Acknowledgement of receipt of this Safety Data Sheet shall be considered acknowledgement that the user will comply with these requirements.

UNITED STATES DEPARTMENT OF AGRICULTURE (USDA) : According to USDA guideline for importation #1110 and #1114, USDA import permit is not required for the importation of this material into the US.

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

US state regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

16. Other information

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of H-phrases

H319 Causes serious eye irritation

SDS US (GHS HazCom 2012)

To the best of our knowledge, the information contained herein is accurate. However, neither Ajinomoto Corporation nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards, which exist.