

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

1.1. Product identifier

Product form : Mixture
Product name : BASAL CHO MX
Product code : 10000523

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

1.2.1. Relevant identified uses

Main use category : Industrial use
Intended use / Generic name : Cell culture medium

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

JSR Micro NV
Technologielaan 8
B-3001 Leuven - Belgie-Belgique
T 32 16 832 832 - F 32 16 832 839
MSDS@jsrmicro.be

1.4. Emergency telephone number

Emergency number : Emergency phone number Belgium: +32-(0)70-245245. National Poisons Information Centre Ireland: +353 (01) 809 2566.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Extra phrases : EUH208 Contains Sodium pyruvate. May produce an allergic reaction

2.3. Other hazards

This substance/mixture does not meet the PBT/vPvB criteria of REACH regulation, annex XIII
Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
L-Histidine Hydrochloride Monohydrate	CAS-No.: 5934-29-2 EC-No.: 611-821-4	1 – 3	Eye Irrit. 2, H319
Sodium pyruvate	CAS-No.: 113-24-6 EC-No.: 204-024-4	< 1	Eye Irrit. 2, H319 Skin Sens. 1B, H317

Specific concentration limits:

Name	Product identifier	Specific concentration limits
L-Histidine Hydrochloride Monohydrate	CAS-No.: 5934-29-2 EC-No.: 611-821-4	
Sodium pyruvate	CAS-No.: 113-24-6 EC-No.: 204-024-4	

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Get medical advice/attention.
First-aid measures after inhalation	: Allow victim to breathe fresh air. Allow the victim to rest. Obtain medical attention if breathing difficulty persists.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by water rinse.
First-aid measures after eye contact	: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
First-aid measures after ingestion	: If swallowed, immediately administer water (1/2 liter) only if victim is completely conscious/alert.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: More information in section: "Toxicology".
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4.3. Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire. Foam. Dry chemical. Carbon dioxide.
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5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Precautionary measures fire	: Do not enter fire area without proper protective equipment, including respiratory protection. Pressure demand self-contained breathing apparatus should be provided to fire fighters in building or confined area where the material is stored.
Firefighting instructions	: Avoid fire-fighting water to enter environment. Exercise caution when fighting any chemical fire. Water should be used to keep exposed containers cool.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Supply fresh air. Equip cleanup crew with proper protection.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Minimise generation of dust. Use suitable disposal containers.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Minimise generation of dust. Local exhaust and general ventilation must be adequate to meet exposure standards. Close container tightly after use.

Hygiene measures : Avoid all unnecessary exposure. Handle in accordance with good industrial hygiene and safety procedures. Wear suitable protective clothing. Ensure prompt removal from eyes, skin and clothing. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Maintain the storage temperature below 40°C. This storage temperature is intended to cover HSE-purposes and is valid within the period: shelflife + 3 months. For the technical application, see the specifications and the label. Store in a well-ventilated place. Keep container tightly closed.

Incompatible products : Store separately from oxidising agents and strongly alkaline and strongly acidic materials.

Storage area : Store in a dry, cool area.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. 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.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

Safety glasses . Wear eye-protectors conformed to EN166.

8.2.2.2. Skin protection

Skin and body protection:

If skin contact or contamination of clothing is possible, protective clothing should be worn. Wear shoes conformed to EN345 type min S2.

Hand protection:

Protective gloves (EN374). Suitable materials also with prolonged/direct contact e.g nitril (0.1 mm), latex (0.2 mm), neoprene (0.2 mm) or others.

8.2.2.3. Respiratory protection

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

If no information is available on the mixture, please consult information on ingredients.

Physical state	: Solid
Colour	: Not available
Appearance	: Powder.
Odour	: Not available
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not available
Explosive limits	: Not applicable
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not applicable
Solubility	: Not available
Partition coefficient n-octanol/water (Log Pow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density	: Not applicable
Particle size	: Not available
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available

Particle aggregation state	: Not available
Particle agglomeration state	: Not available
Particle specific surface area	: Not available
Particle dustiness	: Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

To our knowledge, the product does not present any particular risk, under normal conditions of use. (See section 7: Handling and Storage).

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicity

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

L-Histidine Hydrochloride Monohydrate (5934-29-2)

LD50 oral rat	≥ 2000 mg/kg OECD 423
Acute toxicity	Not classified

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Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

L-Histidine Hydrochloride Monohydrate (5934-29-2)	
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Causes serious eye irritation. OECD TG 492
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified

Sodium pyruvate (113-24-6)	
LD50 oral rat	3533 mg/kg
LD50 dermal rabbit	≥ 3000 mg/kg
Acute toxicity	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Causes serious eye irritation. (OECD 437)
Respiratory or skin sensitisation	May cause an allergic skin reaction. (OECD 429)
Germ cell mutagenicity	Not classified (OECD 471)
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

No additional information available

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number : Not applicable

14.2. UN proper shipping name : Not applicable

14.3. Transport hazard class(es) : Not applicable

14.4. Packing group : Not applicable

14.5. Environmental hazards
No additional information available

14.6. Special precautions for user
No additional information available

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

No additional information available

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

15.1.2. National regulations

Water hazard class (WGK) : If no information is available on the mixture, please consult information on ingredients.

Storage class (LGK, TRGS 510) : Exclude

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

EUH208	Contains Sodium pyruvate. May produce an allergic reaction
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
Skin Sens. 1B	Skin sensitisation, category 1B

Classification

Available information on the ingredients and/or on the mixture is used for the purpose of classification of the mixture. Classifying the mixture is done in accordance with Annex I of the REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

The product is in accordance with regulation no 1907/2006 (REACH) and its amendments regarding to the duty of registration to the European Chemicals Agency (ECHA) of all substances on their own or in preparations manufactured or imported in quantities exceeding 1 ton/year.

BASAL CHO MX

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

DISCLAIMER OF LIABILITY. The information in this safety datasheet is based on our current best knowledge. Reviews are done on a regular basis but are not always inducing modifications. This sheet describes our product in relation to safety requirements and takes into account a normal handling, storage, use or disposal of the product. It is not meant to guarantee specific determined qualities of the product. It was prepared and is to be used only for this product. If the product is used as a component in another product, the information contained in this data sheet may not be applicable.