

# SAFETY DATA SHEET

[Required under safety and health regulations for shipping and handling]

Version: 2022  
Date Updated: December 31, 2022

## SECTION 1. ----- PRODUCT AND COMPANY IDENTIFICATION -----

<b>Product Name</b>	Casein
<b>Product Code(s)</b>	CN5204
<b>Recommended Use</b>	For Laboratory Research Use Only Not for Human or Animal Drug Use
<b>Supplier</b>	Bio Basic Asia Pacific Pte Ltd.
<b>Address</b>	2 International Business Park Road Strategy #01-04, Singapore 609930
<b>Telephone</b>	(+65) 6954 2519 (+65) 6491 5938
<b>Email</b>	sg@biobasic-asia.com

## SECTION 2. ----- HAZARDS IDENTIFICATION -----

### **Classification of the substance or mixture**

Not a hazardous substance or mixture.

### **GHS Label elements, including precautionary statements**

Not a hazardous substance or mixture.

**Hazards not otherwise classified (HNOC) or not covered by GHS - none**

## SECTION 3. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

### **Substances**

No components need to be disclosed according to the applicable regulations.

## SECTION 4. ----- FIRST-AID MEASURES -----

### **Description of first-aid measures**

#### **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

#### **In case of skin contact**

Take off all contaminated clothing immediately. Rinse skin with water/ shower.

#### **In case of eye contact**

Rinse out with plenty of water. Remove contact lenses.

#### **If swallowed**

Make victim drink water (two glasses at most). Consult doctor if feeling unwell.

### **Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

### **Indication of any immediate medical attention and special treatment needed**

No data available

## SECTION 5. ----- FIRE FIGHTING MEASURES -----

### **Suitable extinguishing media**

Water Foam Carbon dioxide (CO2) Dry powder

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## **Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given.

## **Special hazards arising from the substance or mixture**

Nature of decomposition products not known. Combustible.

Development of hazardous combustion gases or vapours possible in the event of fire.

## **Advice for firefighters**

In the event of fire, wear self-contained breathing apparatus for firefighting.

## **Further information**

Prevent fire extinguishing water from contaminating surface water or the ground water system.

## **SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----**

### **Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

### **Environmental precautions**

Do not let product enter drains.

### **Methods and materials for containment and cleaning up**

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

### **Reference to other sections**

For disposal see section 13.

## **SECTION 7. ----- HANDLING AND STORAGE-----**

### **Precautions for safe handling**

For precautions see section 2.

### **Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place.

Keep in a dry place.

Store under inert gas. Moisture sensitive.

Storage class (TRGS 510): 11: Combustible Solids

### **Specific end use(s)**

Apart from the uses mentioned in section 1 no other specific uses are stipulated

## **SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION-----**

### **Exposure controls**

#### **Appropriate engineering controls**

Change contaminated clothing. Wash hands after working with substance.

#### **Personal protective equipment**

##### **Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

##### **Skin protection**

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: [www.kcl.de](http://www.kcl.de)).

Full contact

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Material: Nitrile rubber  
 Minimum layer thickness: 0.11 mm  
 Breakthrough time: 480 min  
 Material tested: KCL 741 Dermatrill® L

Splash contact  
 Material: Nitrile rubber  
 Minimum layer thickness: 0.11 mm  
 Breakthrough time: 480 min  
 Material tested: KCL 741 Dermatrill® L

### **Respiratory protection**

Required when dusts are generated.  
 Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system

### **Control of environmental exposure**

Do not let product enter drains.

## **SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -**

### **Information on basic physical and chemical properties**

Appearance	Form: powder
	Colour: beige
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

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## **Other safety information**

No data available

## **SECTION 10. -----STABILITY AND REACTIVITY -----**

### **Reactivity**

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

### **Chemical stability**

Stable under recommended storage conditions.

### **Possibility of hazardous reactions**

No data available

### **Conditions to avoid**

No data available

### **Incompatible materials**

Strong oxidizing agents

### **Hazardous decomposition products**

Other decomposition products - No data available

Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.

In the event of fire: see section 5

## **SECTION 11. ----- TOXICOLOGICAL INFORMATION -----**

### **Acute toxicity**

No data available

Inhalation: No data available

Dermal: No data available

### **Skin corrosion/irritation**

No data available

### **Serious eye damage/eye irritation**

No data available

### **Respiratory or skin sensitisation**

No data available

### **Germ cell mutagenicity**

No data available

### **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

### **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

### **Additional Information**

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RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## SECTION 12. ----- ECOLOGICAL INFORMATION -----

### **Toxicity**

No data available

### **Persistence and degradability**

No data available

### **Bioaccumulative potential**

No data available

### **Mobility in soil**

No data available

### **Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### **Other adverse effects**

No data available

## SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

### **Product**

Waste material must be disposed of in accordance with the national and local No mixing with other waste. Handle uncleaned containers like the product See [www.retrologistik.com](http://www.retrologistik.com) for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

## SECTION 14. ----- TRANSPORT INFORMATION -----

### **DOT (US)**

Not dangerous goods

### **IMDG**

Not dangerous goods

### **IATA**

Not dangerous goods

## SECTION 15. ----- REGULATORY INFORMATION -----

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

## SECTION 16. ----- OTHER INFORMATION -----

Further information: no limited for paper copy, just for internal uses.  
For research use only. Not intended for human or animal diagnostic or therapeutic uses.

### **Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**Issuing Date:** 31-Dec-2022

**End of SDS**