

# 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 -----

**Product Name** Calcium carbonate, anhydrous  
**Product Code(s)** CB0052  
**Recommended Use** For Laboratory Research Use Only  
 Not for Human or Animal Drug Use

**Supplier** Bio Basic Asia Pacific Pte Ltd.  
**Address** 2 International Business Park Road  
 Strategy #01-04, Singapore 609930

**Telephone** (+65) 6954 2519  
 (+65) 6491 5938

**Email** 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.

### HMIS Classification

Health hazard 0  
 Flammability 0  
 Physical hazards 0

### NFPA Rating

Health hazard 0  
 Fire 0  
 Reactivity Hazard 0

### Potential health effects

**Eyes** May cause eye irritation.

**Skin** May cause skin irritation. May be harmful if absorbed through skin.

**Ingestion** Ingestion of large amounts may cause gastrointestinal irritation. Expected to be a low ingestion hazard.

**Inhalation** Low hazard for usual industrial handling. Excessive inhalation may cause minor respiratory irritation.

**Chronic:** Chronic ingestion may cause hypercalcemia, alkalosis, and kidney damage. May also produce "milk-alkali syndrome" characterized by neurological symptoms such as irritability, lethargy, stupor, and coma.

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

Chemical Name	EC No.	CAS-No.	Weight %
Calcium carbonate, anhydrous	207-439-9	471-34-1	<100

## 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

Wash off with soap and plenty of water.

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

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Never give anything by mouth to an unconscious person. Rinse mouth with water if victim is conscious.

**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 -----

**Flammability**

Non-combustible, substance itself does not burn but may decompose upon heating to produce irritating, corrosive and/or toxic fumes.

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**Further information**

No data available

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

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

Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8.

**Environmental precautions**

No special environmental precautions required.

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

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

**Reference to other sections**

For disposal see section 13.

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

**Precautions for safe handling**

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

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

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from strong acids.

**Specific end use(s)**

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

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

**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).

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves

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after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Full contact**

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

**Splash contact**

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

**Body Protection**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

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

**Information on basic physical and chemical properties**

Appearance	White
Odour	No data available
Odour Threshold	No data available
pH	8
Melting point/freezing point	800° C (dec)
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	2.93 g/cm <sup>3</sup> at 25°C
Water solubility	slightly soluble in water.

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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

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

### **Reactivity**

No data available

### **Chemical stability**

Stable at room temperature in closed containers under normal storage and handling conditions.

### **Possibility of hazardous reactions**

No data available

### **Conditions to avoid**

Dust generation, moisture, high humidity

### **Incompatible materials**

Acids, aluminum, fluorine, magnesium with hydrogen.

### **Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available.

In the event of fire: see section 5

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

### **Acute toxicity**

LD50/LC50::Draize test, rabbit, eye: 750 ug/24H Mild;

Oral, rat: LD50= 6450 MG/KG

### **Skin corrosion/irritation**

No data available

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

No data available

### **Respiratory or skin sensitization**

No data available

### **Germ cell mutagenicity**

No data available

### **Carcinogenicity**

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

### **Reproductive toxicity**

No data available

### **Specific target organ toxicity - single exposure**

### **Specific target organ toxicity - repeated exposure**

No data available

### **Aspiration hazard**

No data available

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## **Additional Information**

RTECS: FF9335000 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 -----**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed.

**RCRA U-Series:** None listed.

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

### **DOT (US)**

**Not dangerous goods**

### **IMDG**

**Not dangerous goods**

### **IATA**

**Not dangerous goods**

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

**SARA 311/312:** CAS# 471-34-1: none

**SARA Section 302 Extremely Hazardous Substances:** None of the chemicals in this product have a RQ/TPQ.

**Section 313:** No chemicals are reportable under Section 313.

**REACH:** A registration # is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration is envisaged for a later registration deadline.

**STATE** CAS# 471-34-1 can be found on the following state right to know lists: Pennsylvania, (listed as Calcium carbonate), NJ (listed as Calcium carbonate).

California No Significant Risk Level: None of the chemicals in this product are listed.

### **EUROPEAN/INTERNATIONAL REGULATIONS European Labeling in Accordance with EC Directives**

**WGK (Water Danger/Protection)** CAS# 471-34-1: 0

**Canada - DSL/NDL** CAS# 471-34-1 is listed on Canada's DSL List.

**Canada - WHMIS** This product has a WHMIS classified of D2B.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

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CAS# 471-34-1 is not listed on Canada's Ingredient Disclosure List.

## **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 MSDS 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**