



Centre Testing International Group

SDS

Report No. : A2250070941101

**Company Name GUANGXI HEZHOU KELONG MICRO-POWDER
shown on Report: CO., LTD.**

**Address: Kelong Industrial Pinggui District Hezhou City,
Guangxi**

Sample Name: Calcium carbonate powder

Reviewed by:

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Issue date:

Feb 28, 2025



No. R5D6FF8494

Safety Data Sheet

Calcium carbonate powder

Version: V1.0.0.0

Report No.: A2250070941101

Creation Date: 2025/02/28

Revision Date: 2025/02/28

*Prepared according to EU regulation No. 2020/878

1 Identification of the substance/mixture and of the company/undertaking**| Product identifier**

Product Name	Calcium carbonate powder
Common Name/Trade Name	None
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable
REACH Registration Number	-
UFI	Not applicable

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

Relevant identified uses	Fillers for industries such as plastics, coatings, and papermaking.
Uses advised against	Please consult the supplier.

| Details of the supplier of the Safety Data Sheet

Name of the company	GUANGXI HEZHOU KELONG MICRO-POWDER CO., LTD.
Address of the company	Kelong Industrial Pinggui District Hezhou City, Guangxi
Post code	-
Telephone number	13481458840
Fax number	-
E-mail address	103598813@qq.com

| Emergency telephone number

Emergency telephone number	13481458840
Opening hours	24h

2 Hazards identification**| CLP classification according to Regulation (EC) No. 1272/2008**

According to Regulation (EC) No 1272/2008 and its amendments. This product does not belong to hazardous substances or mixtures.

| Label elements

Hazard pictograms	Not applicable
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Signal word	Not applicable
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Hazard statements

Hazard statements	Not applicable
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Precautionary statements

◆ Prevention

Prevention	Not applicable
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◆ Response

Response	Not applicable
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◆ Storage

Storage	Not applicable
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◆ Disposal

Disposal	Not applicable
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Other hazards

◆ Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
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◆ Results of endocrine disrupting properties assessment

Results of endocrine disrupting properties assessment	This product does not contain substances with endocrine disrupting properties.
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◆ Other

	Not applicable.
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3 Composition/information on ingredients

Substance/mixture

	Substance
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Component	Weight % content (or range)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific Conc. Limits, M-factors
CaCO ₃ CAS: 471-34-1 EC: 207-439-9 Index No.: -	97	Not Classified	-
MgO CAS: 1309-48-4 EC: 215-171-9 Index No.: -	1.5	Not Classified	-
Other CAS: - EC: -	0.9	No information available	-

Index No.: -			
Al₂O₃ CAS: 1344-28-1 EC: 215-691-6 Index No.: -	0.2	Not Classified	-
SiO₂ CAS: 14808-60-7 EC: 238-878-4 Index No.: -	0.2	Not Classified	-
Fe₂O₃ CAS: 1309-37-1 EC: 215-168-2 Index No.: -	0.2	Not Classified	-

4 First-aid measures

Description of first aid measures

General advice	If there are any adverse health effects, please seek medical consultation.
Eye contact	Open your eyelids and rinse your eyes with plenty of water for a few minutes. If the stimulation persists, seek medical attention.
Skin contact	Usually no special measures need to be taken. If there are signs of irritation or other symptoms, please seek medical attention.
Ingestion	Rinse mouth, clean mouth, seek medical attention.
Inhalation	Leave the scene and go to a place with fresh air. If breathing is difficult, administer oxygen. Seek medical attention.
Protecting of first-aiders	Ensure that medical staff understand the hazardous characteristics of the product and take self-protection measures.

Most important symptoms/effects, acute and delayed

1	Please see section 11.
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Indication of any immediate medical attention and special treatment needed

1	Treat symptomatically.
2	Symptoms may be delayed.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Use fire extinguishing media suitable for the surrounding environment.
Unsuitable extinguishing media	There are no restrictions on the types of fire extinguishing agents used.

Specific hazards arising from the substance or mixture

1	During heating or in case of fire, toxic gases may form.
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Advice for firefighters

1	As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
2	Fight fire from a safe distance, with adequate cover.
3	Prevent fire extinguishing water from contaminating surface water or the ground water system.

6 Accidental release measures

| Personal precautions, protective equipment and emergency procedures

1	Ensure adequate ventilation. Remove all ignition sources.
2	Quickly evacuate personnel to a safe area, stay away from the leak area and be in the upwind direction.
3	Use personal protective equipment to avoid inhaling dust.
4	Personnel who are not wearing protective equipment are not allowed to enter the leakage area until the cleaning work is completed.

| Environmental precautions

1	Take measures to prevent further leakage or overflow while ensuring safety.
2	Avoid discharging into the surrounding environment.

| Methods and materials for containment and cleaning up

1	Cut off the leakage source as much as possible.
2	Keep the leakage site ventilated.
3	Isolate the contaminated area and restrict access.
4	It is recommended that emergency responders wear gloves, safety goggles, and dust masks.
5	If there is a large leakage, cover it with plastic cloth or canvas.
6	Collect the leaked material with a clean shovel, place it in a clean, dry container with a loose lid, and move the container away from the leakage area.
7	Attachments or collections should be stored in suitable sealed containers and disposed of in accordance with local laws and regulations.

7 Handling and storage

| Precautions for safe handling

◆ Protective measures

1	Ensure good ventilation in the workplace.
2	Wear appropriate personal protective equipment.
3	Avoid inhaling dust.
4	Avoid entering the eyes.
5	Keep away from sources of fire and heat, and smoking is strictly prohibited in the workplace.

◆ Measures to prevent fire

1	Keep away from heat/sparks/open flames/ hot surfaces.
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◆ Measures to prevent aerosol and dust generation

1	Provide appropriate exhaust ventilation at places where dust is formed.
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◆ Advice on general occupational hygiene

1	Wash hands and face after using of the substances.
2	Replace the contaminated clothing immediately.

| Conditions for safe storage, including any incompatibilities

1	Keep the container tightly sealed.
2	Store in a dry, cool, and well ventilated place.
3	Keep away from heat sources, sparks, open flames, and hot surfaces.
4	Store away from incompatible materials and food containers.

| Specific end use(s)

1	In addition to use mentioned in the first parts, unforeseen other specific end uses.
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8 Exposure controls/personal protection

|Control parameters

Component	Country/Region	Occupational exposure limit (8h)		Occupational exposure limit (short-term)	
		ppm	mg/m ³	ppm	mg/m ³
CaCO ₃	USA - OSHA	-	15	-	-
	Latvia	-	6	-	-
	Ireland	-	10	-	-
	France	-	10	-	-
	Canada - Québec	-	10	-	-
	Australia	-	10	-	-
MgO	USA - OSHA	-	15	-	-
	South Korea	-	10	-	-
	Ireland	-	4	-	10 (4)
	Germany (DFG)	-	4	-	1.5
	Denmark	-	6	-	12
	Australia	-	10	-	-
Al ₂ O ₃	USA - OSHA	-	15	-	-
	South Korea	-	10	-	-
	Ireland	-	10	-	-
	Germany (DFG)	-	4	-	-
	Denmark	-	5	-	10
	Australia	-	10	-	-
SiO ₂	South Korea	-	0.05	-	-
	New Zealand	-	0.2	-	-
	Ireland	-	0.1	-	-
	Denmark	-	0.3	-	0.6
	Australia	-	0.1	-	-
	USA-ACGIH	-	0.025	-	-
Fe ₂ O ₃	USA - NIOSH	-	1	-	-
	South Korea	-	5	-	-
	Ireland	-	1	-	2

	Hungary	-	6	-	-
	Denmark	-	1	-	-
	Australia	-	5	-	-

◆ Biological limit values

Biological limit values	No relevant regulations
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◆ Monitoring methods

1	EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
2	GBZ/T 300.1~GBZ/T 300.160-2017; GBZ/T 300.161~GBZ/T 300.164-2018 Determination of toxic substances in workplace air (Series standard).

◆ Derived No effect level (DNEL)

Component	Route of exposure	DNEL for Workers			
		Acute effects(local)	Acute effects(systemic)	Chronic effects(local)	Chronic effects(systemic)
CaCO ₃	Inhalation	No data available	No data available	6.36mg/m ³	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
MgO	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Al ₂ O ₃	Inhalation	No data available	No data available	3mg/m ³	3mg/m ³
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
SiO ₂	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Fe ₂ O ₃	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available

◆ Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)	No information available.
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| Engineering controls

1	Ensure adequate ventilation, especially in confined areas.
2	Ensure that there are eye wash and shower facilities near the workplace.
3	Operate according to good industrial hygiene and safety regulations.

| Personal protection equipment

General requirement	 
Eye protection	Normally, eye protection is not required. If exposed to steam/dust during the production process, chemical goggles should be worn.
Hand protection	Hand protection is usually not required.
Respiratory protection	Normally, respiratory protection is not necessary. If the concentration of vapor/dust exceeds the occupational exposure limit or if symptoms such as irritation occur, wear a dust mask or gas mask.
Skin and body protection	Normally, skin and body protection are not required.

9 Physical and chemical properties and safety characteristics

| Physical and chemical properties

Physical state	Solid Powder
Colour	White
Odor	Odorless
Odor threshold	No information available
pH	8~10
Melting point/freezing point(°C)	825 (decomposition, CaCO ₃)
Initial boiling point and boiling range(°C)	No information available
Flash point(Closed cup,°C)	Not applicable
Evaporation rate	No information available
Flammability	No information available
Upper/lower explosive limits[%(v/v)]	Upper limit: No information available; Lower limit: No information available
Vapor pressure	No information available
Vapor density(Air = 1)	No information available
Relative density(Water=1)	No information available
Solubility	Insoluble in water, soluble in acid
n-octanol/water partition coefficient	No information available
Auto-ignition temperature(°C)	No information available
Decomposition temperature(°C)	No information available
Viscosity	No information available
Explosive properties	Non explosive
Oxidizing properties	Non oxidizing
Particle characteristics	No information available

10 Stability and reactivity

| Stability and reactivity

Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous reactions	No information available.
Conditions to avoid	Incompatible substances, heat, flames, and sparks.
Incompatible materials	Reactive metals, alcohols, aldehydes, carbon disulfide, carbon, sulfur, phosphorus, boron, reducing agents, metal acetylides, and metal carbides.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological information

Acute toxicity

Component	LD ₅₀ (oral)	LD ₅₀ (dermal)	LC ₅₀ (inhalation,4h)
CaCO ₃	6450mg/kg(Rat)	No information available	No information available

Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
CaCO ₃	Not Listed	Not Listed
MgO	Not Listed	Not Listed
Other	Not Listed	Not Listed
Al ₂ O ₃	Not Listed	Not Listed
SiO ₂	Category 1	Category K
Fe ₂ O ₃	Category 3	Not Listed

Endocrine disrupting properties

Endocrine disrupting properties	This product does not contain substances with endocrine disrupting properties.
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Others

Calcium carbonate powder	
Skin corrosion/irritation	Based on available data, the classification criteria are not met
Serious eye damage/irritation	Based on available data, the classification criteria are not met
Skin sensitization	Based on available data, the classification criteria are not met
Respiratory sensitization	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Reproductive toxicity(additional)	Based on available data, the classification criteria are not met

12 Ecological information

| Acute aquatic toxicity

Acute aquatic toxicity	Fe ₂ O ₃ : EC ₅₀ :>100mg/L (48h) (Daphnia magna), ErC ₅₀ :>20mg/L (72h) (Raphidocelissubcapitata)
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| Chronic aquatic toxicity

Chronic aquatic toxicity	No information available
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| Persistence and degradability

Persistence and degradability	No information available
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| Bioaccumulative potential

Bioaccumulative potential	No information available
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| Mobility in soil

Mobility in soil	No information available
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| Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Not belonging to PBT and vPvB
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| Endocrine disrupting properties

Endocrine disrupting properties	This product does not contain substances with endocrine disrupting properties.
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13 Disposal considerations

| Disposal considerations

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
Contaminated packaging	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
Disposal recommendations	Refer to section waste chemicals and contaminated packaging.

14 Transport information

| Label and Mark

Transporting Label	Not applicable
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| IMDG-CODE

IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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| IATA-DGR

IATA-DGR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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| UN-ADR

UN-ADR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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| Maritime transport in bulk according to IMO instruments

- ◆ Transport in bulk according to Annex II of MARPOL and the IBC code

	No information available
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- ◆ Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

	No information available
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- ◆ Transport in bulk in accordance with the IGC Code

	No information available
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15 Regulatory information

| International chemical inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AIIC	ENCS
CaCO₃	√	√	√	√	√	√	√	√	√
MgO	√	√	√	√	√	√	√	√	√
Other	×	×	×	×	×	×	×	×	×
Al₂O₃	√	√	√	√	√	√	√	√	√
SiO₂	×	√	√	√	√	√	√	√	√
Fe₂O₃	√	√	√	√	√	√	√	√	√

- [EINECS] European Inventory of Existing Commercial Chemical Substances
- [TSCA] United States Toxic Substances Control Act Inventory
- [DSL] Canadian Domestic Substances List
- [IECSC] China Inventory of Existing Chemical Substances
- [NZIoC] New Zealand Inventory of Chemicals
- [PICCS] Philippines Inventory of Chemicals and Chemical Substances
- [KECI] Korea Existing Chemicals Inventory
- [AIIC] Australia. Inventory of Industrial Chemicals (AIIC)
- [ENCS] Japan Inventory of Existing & New Chemical Substances

| European chemical inventory

Component	A	B	C	D	E	F	G
CaCO₃	×	×	×	√	√	×	×
MgO	×	×	×	√	×	×	×
Other	×	×	×	×	×	×	×
Al₂O₃	×	×	×	√	√	×	×
SiO₂	×	×	×	√	√	×	×
Fe₂O₃	×	×	×	√	√	×	×

- [A] Candidate list of Substances of Very High Concern for authorization under EU REACH regulation
- [B] Substances requiring authorisation under EU REACH regulation
- [C] Substances restricted under EU REACH
- [D] Pre-registered substances under EU REACH
- [E] Registered substances under EU REACH
- [F] Substance Evaluation – CoRAP under EU REACH
- [G] List of priority substances under EU water policy (Directive 2455/2001/EC)

Note:

- √: Indicates that the substance included in the regulations.
- ×: No data or not included in the regulations.

16 Other information

Information on revision

Creation Date	2025/02/28
Revision Date	2025/02/28
Reason for revision	-

Reference

- [1] IPCS: The International Chemical Safety Cards (ICSC), website: <http://www.ilo.org/dyn/icsc/showcard.home>.
- [2] IARC, website: <http://www.iarc.fr/>.
- [3] OECD: The Global Portal to Information on Chemical Substances, website: <https://www.echemportal.org/echemportal/substancesearch/index.action>.
- [4] CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.
- [5] NLM: ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.
- [6] EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.
- [7] U.S. Department of Transportation: ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.
- [8] Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

Abbreviations and acronyms

CAS	Chemical Abstracts Service	UN	The United Nations
PC-STEL	Short term exposure limit	OECD	Organization for Economic Co-operation and Development
PC-TWA	Time Weighted Average	IMDG	International Maritime Dangerous Goods
MAC	Maximum Allowable Concentration	IARC	International Agency for Research on Cancer
DNEL	Derived No Effect Level	ICAO	International Civil Aviation Organization
PNEC	Predicted No Effect Concentration	IATA	International Air Transportation Association
NOEC	No Observed Effect Concentration	ACGIH	American Conference of Governmental Industrial Hygienists
LC ₅₀	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD ₅₀	Lethal Dose 50%	NTP	National Toxicology Program
EC ₅₀	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
EC _x	Effective Concentration X%	vPvB	very Persistent, very Bioaccumulative
Pow	Partition coefficient Octanol: Water	CMR	Carcinogens, mutagens or substances toxic to reproduction
BCF	Bioconcentration factor	RPE	Respiratory Protective Equipment
ED	Endocrine disruptor		

Disclaimer

This Safety Data Sheet (SDS) was prepared according to REACH Regulation. The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any

way connected with the handling, storage, use or disposal of the product.

| Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product. The information of section 3 and section 9 is provided by the company listed in section 1. Other information is from authoritative database and expert assessment.

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