

# Material Safety Data Sheet (MSDS)

NO.: A001R180123001001-2

Date: Jan 24, 2018

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**Applicant:** Jiangxi BaiRui Calcium Carbonate Co., Ltd.  
**Address:** Gao'an Industrial Park Yichun (Taiyang Town)

**Sample information:**

**Sample name:** Nano calcium carbonate

**Issue date:** Jan 24, 2018

**Test Requested:** As specified by the client, to edit Material Safety Data Sheet (MSDS) for the submitted sample.

Dongguan City Tianrun Testing Technology Co.,Ltd.



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## Material Safety Data Sheet

### Section 1 - Chemical Product and Company Identification

**Product Name:** Nano calcium carbonate

**Manufacture:** Jiangxi BaiRui Calcium Carbonate Co., Ltd.

**Address:** Gao'an Industrial Park Yichun (Taiyang Town)

**Emergency Telephone:** \

**Email:** \

### Section 2 - Hazards Identification

**GHS Hazard Categories:**None

**Pictograms:**None

**Hazard information:**None

**Invasion route:** Inhalation, ingestion, eyes contact, skin contact.

**Health hazards:**Eyes direct contact with the dust, can cause mechanical irritation of eyes.Skin direct contact with the dust, can cause skin mild dry.After inhalation can cause chest tightness, chest pain, cough, etc..Ingestion can cause abdominal pain or discomfort.

### Section 3 - Composition/Information on Ingredient

Pure  Admixture

Composition:

| Chemical Name     | In % By Weight | CAS No.   | Molecular Formula |
|-------------------|----------------|-----------|-------------------|
| Calcium carbonate | 96.4%          | 471-34-1  | CaCO <sub>3</sub> |
| Magnesium oxide   | 0.5%           | 1309-48-4 | MgO               |
| Other             | 3.1%           | -         | -                 |

### Section 4 - First Aid Measures

**Skin contact:** Remove contaminated clothes and rinse the skin with plenty of water and soap, clean clothes before wearing.

**Eyes contact:** Lifting the upper and lower eyelids, flush the eyes with plenty of water or saline water.

**Inhalation:**Remove from exposure and move to fresh air immediately,maintain peogaster patency,give oxygen when breathing difficulty.

**Ingestion:**Ingestion discomfort,get medical aid immediately.

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## Section 5 - Fire Fighting Measures

**Danger characteristic:** The product can not burn.

**Fire-fighting method:** The staff must equip with isolated breathing apparatus, wear clothes which can defense fire and toxic gases. Put out the fire in the upwind direction. Remove the container to the open space as soon as possible.

**Fire extinguishing agent:** Powder, CO<sub>2</sub>, Sandy clay.

## Section 6 - Accidental Release Measures

**Emergency treatment:** Small amount of divulgence: clean off. Collecte in a dry, clean, covered container and transferred to safe place; Massiv divulgence: Recycle or transport to waste treatment place for handling.

## Section 7 - Handling and Storage

**Handling:** Supply with sufficient partial air exhaust. Keep away from the fire source, heat source, no smoking in the work place. Take care when lifting and handling in case of damaging the package. Equip with relevant types and quantities of extinguishment instruments and device for divulgence handling.

**Storage:** Keep in sealed container, place in a cool dry place.

## Section 8 - Exposure Controls, Personal Protection

**Occupational exposure limit:**

**MAC(mg/m<sup>3</sup>):** No information

**TWA(mg/m<sup>3</sup>):** No information

**STEL(mg/m<sup>3</sup>):** No information

**Engineering control:** The production process space is closed, need to strengthen the ventilation. Make sure that there is a wash and shower in the vicinity of the workplace. Set emergency evacuation routes.

**Respiratory Protection:** No protection in normal situation. Wear self-inhalation filter type dust respirator if the dust density exceed in the air.

**Eyes Protection:** No protection in normal situation.

**Body Protection:** Wear work clothes.

**Hands Protection:** Wear protective gloves.

**Other Protections:** No smoking, dining and drinking water in the workplace. Keep good habit of hygiene.

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## Section 9 - Physical and Chemical Properties

**Appearance:**Powder

**Colour:**White

**PH:**9.82

**Melting point/range:**N/A

**Density:**N/A

**Oxidising properties:**N/A

**Solubility in water:**N/A

**Partition coefficient(n-octanol / water):**N/A

**Evaporation rate:**N/A

**Odour:**Odourless

**Boiling point/range:**N/A

**Flashpoint:**N/A

**Viscosity:**N/A

**Vapour pressure:**N/A

**Vapour density:**N/A

**Ignition temperature:**N/A

**UEL:**N/A

## Section 10 - Stability and Reactivity

**Stability:** Stable under normal temperature and pressure

**Distribution of Ban:** Strong oxidizing agent, strong acid

**Conditions to Avoid:** None

**Hazardous Polymerization:** None

**Decomposition products:**In normal condition of storage and use,hazardous decomposition products should not be produced.

## Section 11 - Toxicological Information

**Acute Toxicity:** No known significant effects or serious harm.

**Sub-acute and Chronic Toxicity:** No known significant effects or serious harm.

**Irritation:** No known significant effects or serious harm.

**Sensitization:** No known significant effects or serious harm.

**Mutagenicity:** No known significant effects or serious harm.

**Carcinogenicity:** No known significant effects or serious harm.

## Section 12 - Ecological Information

**Ecological toxicity:**None

**Persistence and degradation:**No information

**Potential bioaccumulation:**No information

**Migration in soil:**No information

**Other harmful effects:**None



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## Section 13 - Disposal Considerations

**Disposal method:** Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

**Disposal considerations:** Choose to have certified disposal contractor.

## Section 14 - Transport Information

**UN number:**None

**Risk classification:**None

**Packaging Information:**Packing according to customer requirements.

**Transport Fashion:**By sea、 By air、 By rail、 By highway

**Transport Attentions:** No collapse or no damage during the course of transportation. Corresponding varieties and number of fire equipment and contingency processing equipment should be equipped during the course of transportation. Strictly prohibit put the goods together with oxidizer, acid, etc. for transport. During transport, the goods should prevent exposure, rain and high temperature. Keep away from fire.

## Section 15 - Regulatory Information

**Regulatory Information:**

ISO 11014-2009 Safety data sheet for chemical products - Content and order of sections.

Regulation (EC) No. 1272/2013 Classification, Labeling and Packaging of Substances and Mixtures.

## Section 16 - Additional Information

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof.

Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

\*\*\*End of MSDS\*\*\*