

## SAFETY DATA SHEET

Prepared in accordance with Annex II of Regulation REACH / EU / 1907/2006,  
Regulation /EC/ 1272/2008 and Regulation /EC/ 453/2010

<b>Manufacturer:</b> CALCIT JSC Asenovgrad VAT: 115005545	<b>Date:</b> 10.11.2010 <b>Edition:</b> 3/2010. <b>Pages:</b> 5
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### CALCIUM CARBONATE

#### **1. Name of the substance/ chemical and the company/ factory.**

##### **1.1. Name of the substance/ chemical**

Name of substance / preparation: Calcium Carbonate

Synonyms: limestone, limestone dust, Limestone filler.

Chemical name and formula: Calcium carbonate - CaCO<sub>3</sub>

Trade name: Calcium carbonate

CAS №: 471-34-1

EINECS N °: 207-439-9

Molecular weight: 100.09

Registration number REACH: 01-2119486795-18-0024/03.11.2010

##### **1.2. Usage of the substance/ chemical**

Production of building materials

In the chemical industry

In agrotechnics

For the treatment of soils

Environmental protection - flue gas desulphurization and others.

Treatment and drinking water treatment

In the food and pharmaceutical industries

As a mineral supplement

In the cosmetics industry

Manufacture of paper and paint

Production of plastics and rubber products

##### **1.3. Name and address of the producer/ importer**

Name: Calcit JSC

Address: 4230 Asenovgrad

Industrial area "North"

Telephone: 033162723, 033163300

Fax: 033167426

E-mail: [office@calcit-bg.com](mailto:office@calcit-bg.com)

Web: [www.calcit-bg.com](http://www.calcit-bg.com)

##### **1.4. Emergency telephone**

European emergency phone number: 112

Company emergency number during holidays and days off: 033165114

#### **2. Hazard identification**

##### **2.1 Classification of the substance**

###### **2.1.1 Classification according to EU Regulation 1272/2008**

Not classified as dangerous.

### **2.1.2 Classification according to Directive 67/548/EEC**

Not classified as dangerous.

### **2.2 Labelling**

#### **2.2.1 Labelling according to EU Regulation 1272/2008:**

Not classified.

Signal word - None.

Hazard pictograms - None

Hazard warnings- None

Safety precautions - None.

#### **2.2.2 Labelling according to Directive 67/548/EEC:**

Not classified.

Indication of danger - none

Risk phrases - none

Warning Phrases - None.

### **3. Composition of the substance.**

#### **3.1. General characterization of the chemicals and their percentage.**

Calcium carbonate - Ca ML3 - 95%. Name and number of the substance on EINECS or ELINCS: calcium carbonate, EINECS No 207-439-9, CAS No 471-34-1

### **4. First aid measures**

#### **4.1. Eye contact**

Rinse eyes with water.

#### **4.2. Inhalation**

Move victim to fresh air.

#### **4.3 Ingestion**

None

#### **4.4. Skin contact**

Wash with water.

#### **4.5 General advice:**

None.

### **5. Measures for fire extinguishing**

#### **5.1 Flammability**

The product is non combustible and non flammable, inhibits the spread of fire.

#### **5.2. Appropriate means for fire extinguishing**

None.

#### **5.3. Combustion products**

When heated 700 – 900°C, calcium carbonate decomposes and produces calcium oxide / CaO / and carbon dioxide / CO<sub>2</sub>. Calcium oxide reacts with water in which heat is released. It may pose a risk to flammable materials stored nearby.

### **6. Measures in cases of emergency emissions.**

#### **6.1. Personal protective measures.**

None.

#### **6.2. Measures for environmental protection**

None.

#### **6.3. Cleaning means**

In case of spills to use suction to remove or shovel collection in bags. Wash with water.

### **7. Handling and storage**

#### **7.1. Handling**

##### **7.1.1 Safety precautions when handling the substance / preparation**

Use appropriate equipment and ventilation to prevent dust.

## **7.2. Storage**

### **7.2.1 Precautions for safe storage**

Store in dry, indoor storage facilities, contained in the original package. Keep away from acids.

## **8. Exposition control and personal protective means**

### **8.1. Exposition limits**

#### **8.1.1. CAS № / EINECS №**

471-34-1, 207-439-9

#### **8.1.2 Chemical name**

Calcium carbonate

#### **8.1.3 Exposition standards in a working environment**

None.

## **8.2. Exposition control.**

### **8.2.1. Exposition control in a working environment.**

Operating systems are closed or have installed adequate ventilation to maintain low levels of dust.

#### **8.2.1.1. Protection of the respiratory tract.**

Wear suitable dust masks.

#### **8.2.1.2. Hand Protection**

None.

#### **8.2.1.3. Eye Protection**

Do not wear contact lenses when working with the product. Wear suitable protective goggles to protect eyes from dust.

#### **8.2.1.4. Skin protection**

None.

#### **8.2.1.5 General protective and hygienic measures**

None.

### **8.2.2. Controlling the effect of the substance/ chemical on the environment.**

None.

## **9. Physical and chemical properties.**

### **9.1. General information.**

#### **9.1.1 Appearance**

White fine powder or crystals.

#### **9.1.2 Odour**

None.

### **9.2. Important information relating to health, safety and environment**

pH - 7-9 dissolved in water

Solubility in water:

14 mg / l at 18° C - very low solubility

At a temperature of 700 - 900oS calcium carbonate decomposes and produces calcium oxide / CaO / and carbon dioxide / CO<sub>2</sub>.

### **9.3 Other information**

Melting Point - None.

Boiling Point - None.

Specific gravity - 2.93 g / cm<sup>3</sup> and 2.71 g/cm<sup>3</sup> aragonite calcite.

Crystal shape - globular crystals - calcite and aragonite needle crystals, with predominance of one or the other depending on the conditions of receipt.

Bulk density - 180-230 kg/m<sup>3</sup>

Vapour pressure - the product is not volatile

Flash point - none

Flammability - the product is not flammable.

Explosive properties - the product is not explosive.

## **10. Stability and reactivity**

### **10.1. Conditions to Avoid**

At a temperature of 700 - 900°C calcium carbonate decomposes and produces calcium oxide / CaO / and carbon dioxide / CO<sub>2</sub> /

### **10.2. Materials to avoid**

Contact with acids - the product reacts with acids, in which rapidly releases carbon dioxide.

### **10.3 Additional information:**

None.

## **11. Toxicological information**

### **11.1 Severe effects**

Eye contact - Acts as an ordinary dust. Can irritate the eyes / non toxic /

Inhalation - Acts as a ordinary dust / non toxic /

Ingestion - None.

Skin contact - None.

### **11.2 Prolonged exposure**

Eye contact - Acts as an ordinary dust. Can irritate the eyes / non toxic /

Inhalation - Acts as a ordinary dust / non toxic / Repeated and prolonged inhalation of dust can irritate the respiratory tract.

Skin contact - None.

## **12. Ecological Information**

### **12.1 Ecotoxicity**

#### **12.1.1. Severe / prolonged toxicity to fish**

None.

#### **12.1.2. Severe / prolonged toxicity to invertebrates**

None.

#### **12.1.3. Severe / prolonged toxicity to aquatic plants**

None.

#### **12.1.4 Toxicity to microorganisms and bacteria**

None.

#### **12.1.5 Chronic toxicity to aquatic organisms**

None.

#### **12.1.6 Toxicity to soil organisms**

None.

#### **12.1.7 Toxicity to terrestrial plants**

None

#### **12.1.8 General effect**

None.

### **12.2 Mobility**

No data.

### **12.3 Persistence and degradation**

Not applicable to inorganic substances.

### **12.4 Bioaccumulation potential**

Not applicable to inorganic substances.

## **13. Disposal**

Under the provisions of national law.

## **14. Transport information**

### **14.1 Transportation**

#### **14.1.1 Classification**

Not classified as hazardous for transport

#### **14.1.2 ADR / road transport /**

Not subject to identification.

#### **14.1.3 RID / rail /**

Not subject to identification.

#### **14.1.4 IMDG / GGVSea / shipping /**

Not subject to identification.

#### **14.1.5 IATA-DGR/ICTAO-TI / air /**

Not subject to identification.

### **14.2 Special warnings**

None.

## **15. Information in accordance with the current regulations.**

### **15.1 Labelling according to EU Directive 67/548/EEC**

#### **15.1.1 Symbols and classification of the substance under Directive 67/54/EEC**

Not classified, no labeling.

#### **15.1.2 Labelling according to EU Regulation 1272/2008**

Not classified, no labeling

#### **15.1.3 Restrictions on sales and use**

None.

#### **15.1.4 National legislation**

None.

## **16. Other information**

### **16.1 Risk Phrases**

None.

### **16.2 Warning phrases**

None.

### **16.3 Hazard warning**

None

### **16.4 Safety precautions**

None

### **16.5 Additional information**

This safety data sheet complements the technical instructions of use, without replacing them. The information contained in it is based on our knowledge of the product around that date. It does not relieve the customer from compliance with legal provisions relating to its activities. Responsibility of the customer is to consider all necessary precautions when using the product.

### **16.6 References**

MSDS has been prepared in accordance with Annex II of Regulation REACH / EU / 1907/2006.

References:

Directive 67/548 / EEC

Regulation 1272/2008

Regulation 453/2010.

### **16.7 Revision**

This version is an updated version to be in accordance with Annex II of Regulation REACH / EU / 1907/2006.

Version November 2010.