

# MATERIAL SAFETY DATA SHEET

## CALCIUM CARBONATE (CALCITE)

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### 1 - PRODUCT IDENTIFICATION

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PRODUCT NAME: CALCIUM CARBONATE  
FORMULA:  $\text{CaCO}_3$   
FORMULA WT: 100.09  
COMMON SYNONYMS: LIMESTONE; MARBLE; CALCITE; CHALK; CARBONIC ACID, CALCIUM SALT  
EFFECTIVE: 10/22/03

#### PRECAUTIONARY LABELLING

HEALTH - 0 NONE

FLAMMABILITY - 0 NONE

REACTIVITY - 0 NONE

CONTACT - 1 SLIGHT

HAZARD RATINGS ARE 0 TO 4 (0 = NO HAZARD; 4 = EXTREME HAZARD).

#### LABORATORY PROTECTIVE EQUIPMENT

SAFETY GLASSES; LAB COAT

#### PRECAUTIONARY LABEL STATEMENTS

CAUTION

MAY CAUSE IRRITATION

MAY BE HARMFUL IF SWALLOWED

DURING USE AVOID CONTACT WITH EYES, SKIN, CLOTHING. WASH THOROUGHLY AFTER HANDLING. WHEN NOT IN USE KEEP IN TIGHTLY CLOSED CONTAINER.

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### 2 - HAZARDOUS COMPONENTS

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COMPONENT % CAS NO.

CALCIUM CARBONATE

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### 3 - PHYSICAL DATA

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BOILING POINT: N/A VAPOR PRESSURE(MM HG): N/A

MELTING POINT: 825 C ( 1517 F) VAPOR DENSITY(AIR=1): N/A

SPECIFIC GRAVITY: 2.83 EVAPORATION RATE: N/A  
(H<sub>2</sub>O=1) (BUTYL ACETATE=1)  
SOLUBILITY(H<sub>2</sub>O): NEGLIGIBLE (LESS THAN 0.1 %) % VOLATILES BY VOLUME: 0  
APPEARANCE & ODOR: FINE WHITE POWDER.

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#### **4 - FIRE AND EXPLOSION HAZARD DATA**

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FLASH POINT (CLOSED CUP: N/A  
FLAMMABLE LIMITS: UPPER - N/A % LOWER - N/A %

FIRE EXTINGUISHING MEDIA  
USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

SPECIAL FIRE-FIGHTING PROCEDURES  
FIREFIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND SELF-CONTAINED  
BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE.

TOXIC GASES PRODUCED  
OXIDES, CARBON MONOXIDE, CARBON DIOXIDE

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#### **5 - HEALTH HAZARD DATA**

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THRESHOLD LIMIT VALUE (TLV/TWA): 10 MG/M<sup>3</sup> ( PPM)  
CARCINOGENICITY: NTP: NO IARC: NO Z LIST: NO OSHA REG: NO

EFFECTS OF OVEREXPOSURE  
DUST MAY IRRITATE NOSE AND THROAT.  
INHALATION OF DUST MAY CAUSE IRRITATION TO UPPER RESPIRATORY TRACT. CONTACT  
CAN CAUSE EYE IRRITATION. INGESTION MAY CAUSE GASTROINTESTINAL PAIN.

TARGET ORGANS  
EYES, SKIN

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE  
NONE IDENTIFIED

ROUTES OF ENTRY  
INHALATION, INGESTION, EYE CONTACT, SKIN CONTACT

EMERGENCY AND FIRST AID PROCEDURES  
INGESTION: IF SWALLOWED AND THE PERSON IS CONSCIOUS, IMMEDIATELY GIVE LARGE  
AMOUNTS OF WATER. GET MEDICAL ATTENTION.  
INHALATION: IF A PERSON BREATHE IN LARGE AMOUNTS, MOVE THE EXPOSED PERSON TO  
FRESH AIR. GET MEDICAL ATTENTION.  
EYE CONTACT: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.  
GET MEDICAL ATTENTION.  
SKIN CONTACT: IMMEDIATELY WASH WITH PLENTY OF SOAP AND WATER FOR AT LEAST 15  
MINUTES.

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## **6 - REACTIVITY DATA**

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STABILITY: STABLE HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: HEAT

INCOMPATIBLES: STRONG ACIDS, FLUORINE, ALUM, AMMONIUM SALTS

DECOMPOSITION PRODUCTS: OXIDES, CARBON MONOXIDE, CARBON DIOXIDE

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## **7 - SPILL AND DISPOSAL PROCEDURES**

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STEPS TO BE TAKEN IN THE EVENT OF A SPILL OR DISCHARGE  
WEAR SUITABLE PROTECTIVE CLOTHING. CAREFULLY SWEEP UP AND REMOVE.

DISPOSAL PROCEDURE  
DISPOSE IN ACCORDANCE WITH ALL APPLICABLE STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.

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## **8 - PROTECTIVE EQUIPMENT**

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VENTILATION: USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP FUME OR DUST LEVELS AS LOW AS POSSIBLE.

RESPIRATORY PROTECTION: A RESPIRATOR WITH DUST/MIST FILTER IS RECOMMENDED. IF AIRBORNE CONCENTRATION EXCEEDS TLV, A SELF-CONTAINED BREATHING APPARATUS IS ADVISED.

EYE/SKIN PROTECTION: SAFETY GLASSES WITH SIDESHIELDS, PROPER GLOVES ARE RECOMMENDED.

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## **9 - STORAGE AND HANDLING PRECAUTIONS**

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SPECIAL PRECAUTIONS  
KEEP CONTAINER TIGHTLY CLOSED. SUITABLE FOR ANY GENERAL CHEMICAL STORAGE  
AREA.

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## 10 - TRANSPORTATION DATA AND ADDITIONAL INFORMATION

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DOMESTIC (D.O.T.)  
PROPER SHIPPING NAME CHEMICALS, N.O.S. (NON-REGULATED)

# DOLOMITE

**CHHAVI MICROFINE PRODUCTS (A unit of MLA Group Of Industries).**

111/230, HARSH NAGAR, KANPUR-208012 (U.P.), INDIA

TEL: 91-20512-2291408/09/10, FAX: 91-0512-2290057

E-MAIL: sales@mlagroup.com WEB: [www.mlagroup.com](http://www.mlagroup.com)

## I IDENTIFICATION

Product Name: **Dolomite**

Other Names: None.

Product Code: None.

UN No: None allocated Hazchem Code: None allocated

Dangerous Goods Class: None allocated

Sub Risk Class: None allocated

Packaging Group: None allocated

Poison Schedule: Not scheduled.

Chemical Family: Mineral; calcium magnesium carbonate.

## Physical Appearance & Properties

Appearance & Odour: Fine white powder.

Melting/softening point: No specific data. Solid at normal temperatures.

Boiling point and vapour pressure: Decomposes before boiling at 100kPa.

Volatile materials: No specific data. Expected to be low at 100°C.

Flashpoint: Does not burn.

Specific gravity: No data.

Solubility in water: Insoluble.

Corrosiveness: Not corrosive.

## Ingredients Worksafe Exposure Limits

Chemical Entity CAS No Proportion, % TWA, mg/m<sup>3</sup> STEL, mg/m<sup>3</sup>

Dolomite 16389-88-1 pure \* not set not set

\* Commercially pure.

This is a commercial product whose exact ratio of components may vary. Trace quantities of impurities are also likely.

## II HEALTH HAZARD DATA

### Health Effects:

No specific data is available for the product for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995).

### Acute Effects:

Swallowed: Data suggests that this product should present no significant problems to typical persons if used as intended.

Eye: Data suggests that this product should present no significant problems to typical persons if used as intended.

Skin: Data suggests that this product should present no significant problems to typical persons if used as intended.

Inhalation: Classed as a nuisance dust. Inhalation causes little adverse effects on the lungs and does not produce any toxic effects elsewhere in the body. High airborne concentrations of dust may cause coughing and some temporary irritation.

### First Aid:

If this product gets into mouth, wash out with water. No further measures should be necessary.

Eyes: If product gets in eyes, wash eyes to remove material. No further measures should normally be required.

Skin: If product gets on skin, wash skin to remove material. No further measures should normally be required.

Inhalation: No first aid measures normally required. However, if vapours or dusts have been inhaled, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

Advice to Doctor: Treat symptomatically. Note the nature of this product.

### **III PRECAUTIONS FOR USE**

#### **Exposure Standards:**

A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Worksafe Australia for any of the major ingredients in this product. There is a blanket limit of 10mg/m<sup>3</sup> for dusts or mists when limits have not otherwise been established. The nature of this product makes it unlikely that this level will be approached in normal use.

#### **Engineering Controls:**

In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

#### **Personal Protection:**

Respiratory Protection: It is usually safe to not use a dust mask or respirator protection on account of this product. However, if the product is being used in dusty or confined conditions, use of a mask or respirator may be preferred. For help in selecting suitable equipment, consult AS/NZS 1715.

Protective Gloves: Protective gloves are not normally necessary when using this product. However, it is always prudent to wear gloves. For help in selecting suitable equipment, consult AS 2161.

Eye Protection: Protective eyewear is not normally necessary when using this product. However, it is always prudent to use protective eyewear. Consult AS1336 and AS/NZS 1337 for advice on Industrial Eye Protection.

Clothing: This product is essentially safe to use without special protective clothing. However, its use is recommended as a good industrial practice. Consult AS2919 for advice on Industrial Clothing.

Safety Boots: Wearing safety boots in industrial situations is advisory. Consult AS/NZS2210 for advice on Occupational Protective Footwear.

Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

### **IV SAFE HANDLING INFORMATION**

#### **Storage & Transport**

No special storage and transport requirements. This product has no UN classification. Not a Scheduled Poison. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure that the product does not come into contact with substances listed under "Materials to avoid" below.

## Spills & Disposals

Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or water courses. No special protective clothing is normally necessary. However use judgement and take care. Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage. Recycle containers wherever possible. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Contaminated area may be neutralised by washing with weak or dilute acid. This material may be suitable for approved landfill. Dispose of only in accord with all regulations.

## Fire & Explosion Hazard

There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Flashpoint: Does not burn.

Flammability limits: Not applicable. This product does not burn.

Extinguishing Media: This product does not burn. Use extinguishing media suited to the materials that are burning.

Special Fire Fighting procedures: When fighting fires involving significant quantities of this product, wear safety boots, non-flammable overalls, gloves, hat and preferably, goggles.

Unusual Fire & Explosion Hazards: Fire decomposition products from this product may form asphyxiating mixtures in confined spaces.

Stability: This product is unlikely to spontaneously decompose.

Polymerisation: This product is unlikely to spontaneously polymerise.

Decomposition Products: Carbon dioxide, calcium and magnesium oxides.

Materials to avoid: acids.

## V OTHER INFORMATION

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER SHOULD READ THIS MSDS AND CONSIDER THE INFORMATION IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE INCLUDING IN CONJUNCTION WITH OTHER PRODUCTS. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY. THE RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.