



# JAGDAMBA MINERALS

(Manufacturers & Exporters of Minerals)

## MATERIAL SAFETY DATA SHEET

### MANUFACTURER:

#### JAGDAMBA MINERALS

432, UNNATI TOWER, CENTRAL SPINE  
VIDHYADHAR NAGAR, JAIPUR-302023  
RAJASTHAN, INDIA-91

PRODUCT TYPE: CALCITE

### PRODUCT INFORMATION

**Synonyms** : Carbonic acid calcium salt; calcium carbonate; aragonite;  
**CAS No** : 471-34-1  
**Chemical Formula** :  $\text{CaCO}_3$   
**Molecular Weight** : 100.09

### PHYSICAL & CHEMICAL PROPERTIES

**Appearance** : Fine, white powder  
**Odor** : Odorless  
**Solubility** : 0.001 gm in 100 ml water, soluble in dilute acids  
**Boiling Point ( )** : Decompos at 825  
**Vapor Density (Air=1)** : 825 (1517°F)

### SAFETY & FIRST AID

**Inhalation:** Excessive concentrations of a nuisance dust may cause nuisance condition such as coughing, sneezing, and nasal irritation.

**Ingestion:** Non-toxic.

**Chronic Exposure:** Excessive oral doses of calcium carbonate may produce alkalosis and hypercalcemia.

## **FIRST AID**

**Inhalation:** Remove victim to fresh air. Get medical attention for any breathing difficulty.

**Ingestion:** If large amounts were swallowed, give water to drink and get medical advice.

**Skin Contact:** Wash exposed area with soap and water. Get medical advice if irritation develops.

**Eye Contact:** Wash thoroughly with running water. Get medical advice if irritation develops.

## **FIRE FIGHTING MEASURES**

**Fire:** Not considered to be a fire hazard.

**Explosion:** Not considered to be an explosion hazard.

**Fire Extinguishing Media:** Use any means suitable for extinguishing surrounding fire.

**Special Information:** In the event of a fire, wear full protective clothing and self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

## **SPECIAL FEATURES**

**Stability:** Stable under ordinary conditions of use and storage.

**Hazardous Decomposition Products:** When heated to decomposition (825 °C), emits calcium oxide fumes and liberates carbon dioxide.

**Incompatibilities:** Acids, fluorine, magnesium with hydrogen.

**Conditions to Avoid:** Avoid exposure to heat, incompatibles.