



# JAGDAMBA MINERALS

(Manufacturers & Exporters of Minerals)

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## MATERIAL SAFETY DATA SHEET

### MANUFACTURER:

#### JAGDAMBA MINERALS

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

### PRODUCT IDENTIFICATION

**Name:** Mica Powder

**Chemical Name:** Mica

### PHYSICAL & CHEMICAL PROPERTIES

Bulk Density (Gms/CC):	0.17 - 0.29
Specific Gravity:	2.82
pH Value (B.S. 3483):	7.7
Water Soluble (B.S. 1795):	Less than 0.3%
Effect by Common Acids:	Slight
Hardness (Moh's Scale):	2.5
Appearance:	Grey-white powder
Odour:	No Odour

SiO <sub>2</sub>	50-53%
Al <sub>2</sub> O <sub>3</sub>	25-28%
K <sub>2</sub> O	10%
Fe <sub>2</sub> O <sub>3</sub>	2.5-3%
LOI	3.5-5%

### STABILITY & REACTIVITY

Chemical Stability: stable under normal conditions

Incompatibility: none known

Hazardous Decomposition Products: not applicable

Hazardous Polymerisation: will not occur

### HANDLING & STORAGE

Avoid breathing dust. Wash thoroughly after handling. Avoid contact with eyes. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid freezing or excessive heat. Do not handle or store near an open flame, heat or other sources of ignition.

Keep the container tightly closed and in a cool, well-ventilated place.

## **ACCIDENTAL RELEASE MEASURES**

Isolate spill area immediately. Keep unauthorized personnel away. Ventilate closed spaces before entering. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, basements or confined areas. Surface may become slippery after spillage. Use vacuum or broom sweeping and remove to disposal container. Finish cleaning by spreading water on the surface

## **EXPOSURE CONTROLS & PERSONAL PROTECTION**

Respiratory Protection: Dust mask. Where exposure exceeds limits use NIOSH/OSHA-approved respiratory equipment.

Protective Clothing: Gloves, safety glasses, or face shield recommended.

Local exhaust ventilation recommended.

## **HAZARDS IDENTIFICATION**

Medical Conditions Aggravated by Exposure: Repeated or prolonged inhalation of dust

Inhalation: May cause irritation to the respiratory tract.

Symptoms: coughing, wheezing, or shortness of breath

Eye Contact : Dust may cause irritation (itching & redness)

Skin Contact: May causes skin irritation (itching & redness)

Ingestion: Not an intended route of exposure

## **FIRST AID MEASURES**

Eyes: Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. If irritation persists get medical attention.

Skin: Wash exposed areas of the body with plenty of water.

Inhalation: Remove from area of exposure. Seek medical attention if symptoms persist.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention

## **FIRE FIGHTING MEASURES**

Flammability: non-flammable

Flash Point: not applicable

Extinguishing Media: In case of fire use water spray (fog), foam, dry chemical, or CO<sub>2</sub>.

Fire Fighting Procedures: Firefighters should wear full firefighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

## **TOXICOLOGICAL INFORMATION**

Acute Effects on Humans: may cause skin, eye, and respiratory irritation.

Carcinogenicity: not available

Mutagenicity: not available

Teratogenicity: not available

Developmental Toxicity: not available

## **DISPOSAL CONSIDERATIONS**

Non-hazardous chemical waste. Storage and disposal must be in accordance with applicable local, state & federal disposal regulations. Characterization and compliance with applicable laws are the responsibility solely of the generator.