

GENERAL SPECIFICATIONS

WHITENESS	<i>PREMICA</i> TM (W) : 80 - 82% Against 100% MgO <i>PREMICA</i> TM : 70 - 75% Against 100% MgO
LOOSE BULK DENSITY	0.16 - 0.23 Gm / cc
LOSS ON DRYING	Below 0.5%
LOSS ON IGNITION	Below 3.0% (At 650°C) Below 5.0% (At 1000°C)
pH	7 - 9
CARBONATE	Nil
HEAVY METALS	Lead : Below 20 PPM Arsenic : Below 3 PPM Mercury : Below 1 PPM
ACID SOLUBILITY	Below 2.0%

PARTICLE SIZE DISTRIBUTION - WET SIEVING ANALYSIS

Name of Grade	% Retention Wet Sieving Analysis			LBD - g/cc	Moisture -% at 120o C
	60 Mesh / 250 Micron	100 Mesh / 150 Micron	325 Mesh / 45 Micron		
<i>PREMICA</i> TM - 40	0.10	30.0	55.0	0.28	Nil
<i>PREMICA</i> TM - 18	Nil	Nil	18.0	0.16	Nil
<i>PREMICA</i> TM - 5	Nil	Nil	4.00	0.14	Nil
<i>PREMICA</i> TM - 30	Nil	Nil	30.0	0.17	Nil

THE PREMIER MICA COMPANY
(ISO 9001 2000 CERTIFIED)



MATERIAL SAFETY DATA SHEET

1. Identification, Preparation and the Company

- Product Name : *PREMICA*
- Product Type : Mica powder, Mica flakes, Mica Scrap
- Mineral Name : Muscovite Mica

- Company Name : The Premier Mica Company
- Company Address : 38, Seethammal Road. Chennai – 600018. INDIA
- Company Telephone : +91 – 44 – 24322671

- Material Uses : Auto components – Brake Linings, Clutch facings
Filler – Paints , Plastics , Release agents
Cosmetics , Insulation , electrical

2. Composition / information on Ingredients

- Chemical Name : Mica – Potassium Aluminium Silicate
- CAS Number : 12001-26-2
- Composition Comments: Contains mainly Mica (98%)
There could be some feldspar and quartz (2%)

3. Hazards Identification

- Non Hazardous Material – Natural Mineral

4. First Aid Measures

- Eyes : Flush eyes with plenty of clean cool water.
- Inhalation : Shift to an area with clean air. If not breathing give artificial respiration following by Oxygen.
- Skin : Dust and wash with clean cool water
- Ingestion: There are no know adverse effects. Wash mouth with water and give water to drink. Do not indulge in vomiting.

5. Fire Fighting Measures

- Flammability : Non flammable – Will not form flammable dust in fire.
- Explosivity : Non Explosive – Will not form flammable dust cloud in fire.
- Extinguishing media : Any suitable material for fire.

6. Accidental Release Measures

- Leaks and Spills : Use brooms, brushes and vacuum to clean up the area. Re-bag & store.
- Personal Protection : No special requirements. Wear dusk masks if material is very fine.
- Environmental Protection: No special requirements.

7. Handling and Storage

- Do not use hooks and sharp instruments for handling bags
- Store in dry and well ventilated area.
- Do not stack more than six bags high.
- Shelf Life – Indefinite

8. Exposure Controls and Personal Protection

- No special protection is required other than what is used during handling flakes.
- When handling fine grades dust masks should be used.

9. Physical and Chemical Properties.

- Appearance : White / off-white powder, Flakes and blocks
- Product Name : Wet ground mica, Mica flakes
- Normal State : Solid
- Normal Form : powder / blocks
- Chemical Family : Potassium Aluminium Silicate

- Chemical Analysis

:

<i>ELEMENT</i>	<i>% BY WEIGHT</i>
SiO ₂	42 - 45
Al ₂ O ₃	28 - 33
MgO	0.1 – 0.6
K ₂ O	7 - 11
Fe ₂ O ₃	1 - 5
Na ₂ O	0.1 – 0.6

10. Stability and Reactivity

- Stability : Stable till 600 °C
- Reactivity : Non – reactive

11. Toxicological Information

- Non – Toxic

12. Ecological Information

- Very safe and naturally occurring mineral. It is used for agriculture and a for animal feeds

13. Disposal Consideration

- Normal factory disposal procedure can be followed.

14. Transport Information

- Not applicable since the material is classified as non-hazardous.
- Label for convenience

15. Regulatory Information

- Not applicable since the material is classified as non-hazardous.

16. Other Information

Issue Date : 27th February 2009

Validity : Till March 2010