

THE PREMIER MICA COMPANY
(ISO 9001 2000 CERTIFIED)



MATERIAL SAFETY DATA SHEET

1. Identification, Preparation and the Company

- Product Name : Sure Grow, *PREMICA*
- Product Type : Exfoliated Vermiculite + Raw Vermiculite
- Mineral Name : Vermiculite

- 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
Construction – Fire proofing, Insulation
Agriculture– Growing medium, Animal feeds

2. Composition / information on Ingredients

- Chemical Name : Vermiculite
- CAS Number : 1318-00-9
- Composition Comments: Contains mainly vermiculite (95%)
There could be some feldspar and quartz (5%)

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 known 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. Do not over handle or crush/step on the material.
- 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 : Dark brown / Black / Gold – granules
- Product Name : Crude / Graded vermiculite
- Normal State : Solid
- Normal Form : Granules

- Chemical Analysis

:

<i>ELEMENT</i>	<i>% BY WEIGHT</i>
SiO ₂	38 – 46
Al ₂ O ₃	14 – 20
MgO	12 – 20
K ₂ O	1 – 6
Fe ₂ O ₃	6 – 13
TiO ₂	1 – 3
CaO	1 – 5
Na ₂ O	0.5 – 2
H ₂ O	8 – 16

10. Stability and Reactivity

- Stability : Stable till 800 °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 : 6th February 2009

Validity : Till March 2010