MATERIAL SAFETY DATA SHEET

FIRE O	RECTIVITY O
HEALTH O	SP HAZARD

PRODUCT GROUP : MICA

I. PRODUCT IDENTIFICATION

MANUFACTURER & SUPPLIER :

MICA MANUFACTURING CO. PVT. LTD.
3C, Camac Street,
Calcutta - 700 016.

Tel : (91-33) 2229-4505 / 2229-2277
Fax : (91-33) 2229-5216
E.MAIL : micamafco@vsnl.net

II. HAZARDOUS INGREDIENTS

MATERIAL : MICA

Mica is a generic term applied to a group of a complex aluminium silicate minerals having different chemical and physical properties. It is listed by the ACGIH with a recommended TLV of 6 mg./cu.meter in which toxic impurities are not present e.g. Inhalable silica (quartz) less than 1%

III. HEALTH HAZARD DATA

Route of Exposure	*Hazard Determination*	*Basis for Determination*
INHALATION	Dust	OSHA PEL = 20 Mppcf (Total Dust).
INHALATION	Dust	ACGIH TLV = 6 mg/cu.meter (Total Dust). ACGIH TLV = 3 mg/cu. meter (Respir. Dust).
SKIN CONTACT	Non-hazardous	Historical
SKIN ABSORPTION	Non-hazardous	Historical
EYE CONTACT	Nuisance Dust	Historical
INGESTION	Non-hazardous	Historical

EFFECTS OF ACUTE OVEREXPOSURE : No acute effects.

Brief exposure to mica concentrations slightly higher than the recommended 8 hour Threshould Limit Value (TLV) should pose no acute health problems.

EFFECTS OF CHRONIC OVEREXPOSURE : As with many mineral dusts, long term overexposure to high concentrations of mica dust without the use of a dust mask may produce X-ray evidence of dust in the lungs. Continued long term overexposure may affect respiratory function in some individuals.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE : Unknown.

EMERGENCY AND FIRST AID PROCEDURES :

EYES AND SKIN : No special precautions; flush with water.

INHALATION AND INGESTION : No special precautions.

IV. PHYSICAL DATA

APPEARANCE AND ODOR :
Light Gray to Brown Flakes : No Odor.

% VOLATILES BY VOL. : None.

SPECIFIC GRAVITY ($H_2O = 1$) : 2.8

MELTING POINT : Ca. 1320^0 C.

pH : 7.0 - 8.0 at 28% solids.

BOILING POINT : N.A.

FREEZING POINT : N.A.

VAPOR PRESSURE : N.A.

EVAPORATION RATE (BUTYL ACETATE = 1) : N.A.

VAPOR DENSITY : N.A.

SOLUBILITY IN WATER % BY WT. : Negligible

N.A. = Not Applicable.

V. FIRE AND EXPLOSION DATA

FLASH POINT : None. AUTOIGNITION TEMP. : None.
FLAMMABLE LIMITS IN AIR : N.A.

Mica is not a fire hazard or an explosive hazard in either the powder or other form. Special fire fighting procedures or extinguishing media are not applicable.

VI. REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY : None.
CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION : None.
HAZARDOUS DECOMPOSITION PRODUCTS : None.

VII. DISPOSAL, SPILL OR LEAK PROCEDURES

WASTE DISPOSAL METHOD :

Mica is not classified as a hazardous waste under RCRA Section 3001. Use normal solid waste disposal procedures which are in compliance with Federal, State and Local Regulations.

SPILL OR LEAK PROCEDURES :

Mica is not classified as a "toxic pollutant" or a "hazardous substance" under Sections 307 and 311 of the clean water Act. Accidental releases can be cleaned up by sweeping, vacuuming or flushing with water.

NEUTRALIZING CHEMICALS : None Required.

VIII. SPECIAL PROTECTION INFORMATION

VENTILATION :

Use sufficient general area ventilation to maintain concentrations below the TLV. Where the TLV would be exceeded due to dusty conditions, local exhaust ventilation may be necessary.

PERSONAL PROTECTIVE EQUIPMENT :

EYE : Non-essential but desirable. GLOVES : Non-essential. OTHER : None.
RESPIRATORY PROTECTION : For dusty conditions use a dust mask approved for mineral dusts by NIOSH.

IX. SPECIAL PRECAUTIONS

HEALTH	=	0	No Acute Effects.
FLAMMABILITY	=	0	None.
MAX. PERSONAL PROTECTION	=	E	Dust Mask.
REACTIVITY	=	0	None.

Prolonged breathing of excessive dust may affect lung function. Use dust mask for dusty conditions.

REMARKS :

The information contained in this Material Safety Data Sheet is believed to be reliable. However, no guarantee is implied or expressed regarding the accuracy of this information or the use of the product since the conditions for use are beyond our control. Nothing contained herein should be construed as a recommendation to use this product in conflict with existing patents covering any material or its use.

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