



## MATERIAL SAFETY DATA SHEET

MICA-325

### 1 - PRODUCT IDENTIFICATION

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PRODUCT NAME: MICA  
FORMULA:  $Al_2K_2O_6Si$   
CHEMICAL NAME: POTASSIUM ALUMINIUM SILICATE  
COMMON SYNONYMS: MUSCOVITE

#### PRECAUTIONARY LABELLING

HEALTH - 0 NONE

FLAMMABILITY - 0 NONE

REACTIVITY - 0 NONE

CONTACT - 1 SLIGHT

HAZARD RATINGS ARE 0 TO 4 (0 = NO HAZARD; 4 = EXTREME HAZARD).

#### LABORATORY PROTECTIVE EQUIPMENT

SAFETY GLASSES; LAB COAT

PRECAUTIONARY LABEL STATEMENTS

### 2 – COMPOSITION / INGREDIENT

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APPEARANCE & ODOUR: FINE OFF WHITE POWDER.

COMPONENT PERCENTAGE MICA 98

### 3 - HEALTH HAZARD DATA

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STABILITY: MATERIAL IS STABLE. HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

MATERIALS TO AVOID: NOT APPLICABLE

STABILITY CONDITION TO AVOID: NOT APPLICABLE

HAZARDOUS DECOMPOSITION PRODUCTS: NOT APPLICABLE

POLYMERIZATION: NOT RELEVANT

### 4- FIRST AID PROCEDURES

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INHALATION: REMOVE 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.

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## 5 – FIRE FIGHTING MEASURES

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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 NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE OPERATED IN THE PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.

## 6 – ACCIDENTAL RELEASE MEASURES

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SPILL RELEASE PROCEDURES: WEAR PROTECTIVE EQUIPMENT. CLEAN UP IN MANNER THAT DOESN'T DISPERSE DUST INTO THE AIR.

WASTE MANAGEMENT: NOT CONSIDERED AS HAZARDOUS WASTE. PLACE WASTE AND SPILLAGE IN CLOSED CONTAINERS. DISPOSE OF IN APPROVED LANDFILL.

## 7 - STORAGE AND HANDLING PRECAUTIONS

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HANDLING PROCEDURES: AVOID GETTING THIS MATERIAL INTO CONTACT WITH YOUR SKIN AND EYES.

STORAGE PROCEDURES: STORE IN A COOL, DRY, WELL-VENTILATED AREA.

## 8 - PROTECTIVE EQUIPMENT

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VENTILATION: USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP FUME OR DUST LEVELS AS LOW AS POSSIBLE.

RESPIRATORY PROTECTION: A RESPIRATOR WITH DUST/MIST FILTER IS RECOMMENDED. IF AIRBORNE CONCENTRATION EXCEEDS TLV, A SELF-CONTAINED BREATHING APPARATUS IS ADVISED.

EYE/SKIN PROTECTION: SAFETY GLASSES WITH SIDESHIELDS, PROPER GLOVES ARE RECOMMENDED.

## 9 – PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE AND ODOR: WHITE POWDER; ODORLESS

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BOILING POINT: NOT APPLICABLE  
VAPOUR PRESSURE: NOT APPLICABLE  
SPECIFIC GRAVITY: (WATER=1): 2.55  
MELTING POINT: 150OC (320OF)  
BOILING POINT: NOT DETERMINED  
DENSITY: 2.7 G/CM3 AT 200C  
SOLUBILITY IN WATER: INSOLUBLE  
PH VALUE: NOT DETERMINED

#### 10 – STABILITY AND REACTIVITY

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STABILITY: THE PRODUCT IS STABLE  
INSTABILITY TEMPERATURE: NOT AVAILABLE.  
CONDITIONS OF INSTABILITY: EXCESS HEAT, DUST GENERATION, INCOMPATIBLE MATERIALS  
INCOMPATIBILITY WITH VARIOUS SUBSTANCES: NOT AVAILABLE.  
CORROSIVITY: NOT CONSIDERED TO BE CORROSIVE FOR METALS AND GLASS.  
POLYMERIZATION: WILL NOT OCCUR.

#### 11 – TOXICOLOGICAL INFORMATION

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ROUTES OF ENTRY: INHALATION. INGESTION.  
TOXICITY TO ANIMALS: NOT AVAILABLE.  
CHRONIC EFFECTS ON HUMANS: MAY CAUSE DAMAGE TO THE FOLLOWING ORGANS: LUNGS.  
OTHER TOXIC EFFECTS ON HUMANS: SLIGHTLY HAZARDOUS IN CASE OF SKIN CONTACT (IRRITANT), OF INGESTION, OF INHALATION.

#### 12 – ECOLOGICAL INFORMATION

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ECOTOXICITY:  
A: GENERAL PRODUCT INFORMATION: THIS MATERIAL IS NOT EXPECTED TO BE HARMFUL TO AQUATIC LIFE.  
B: COMPONENT ANALYSIS - ECOTOXICITY - AQUATIC TOXICITY: NO ECOTOXICITY DATA ARE AVAILABLE FOR THIS PRODUCT'S COMPONENTS.  
ENVIRONMENTAL FATE: THIS MATERIAL SHOWS NO BIOACCUMULATION OR FOOD CHAIN CONCENTRATION TOXICITY POTENTIAL.

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### 13 – DISPOSAL CONSIDERATIONS

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WHATEVER CANNOT BE SAVED FOR RECOVERY OR RECYCLING SHOULD BE MANAGED IN AN APPROPRIATE AND APPROVED WASTE DISPOSAL FACILITY. PROCESSING, USE OR CONTAMINATION OF THIS PRODUCT MAY CHANGE THE WASTE MANAGEMENT OPTIONS. STATE AND LOCAL DISPOSAL REGULATIONS MAY DIFFER FROM FEDERAL DISPOSAL REGULATIONS. DISPOSE OF CONTAINER AND UNUSED CONTENTS IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REQUIREMENTS.

### 14 – TRANSPORT INFORMATION

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THIS PRODUCT IS NOT REGULATED AS A HAZARDOUS MATERIAL.

### 15 – REGULATORY INFORMATION

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NO INFORMATION AVAILABLE

### 16 – OTHER INFORMATION

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