



MATERIAL SAFETY DATA SHEET

MICA-40

1 - PRODUCT IDENTIFICATION

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

APPEARANCE & ODOUR: FINE OFF WHITE POWDER.
COMPONENT PERCENTAGE MICA 98

3 - HEALTH HAZARD DATA

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

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

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

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

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

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

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

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

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

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

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

THIS PRODUCT IS NOT REGULATED AS A HAZARDOUS MATERIAL.

15 – REGULATORY INFORMATION

NO INFORMATION AVAILABLE

16 – OTHER INFORMATION

THE INFORMATION ABOVE IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. HOWEVER, WE MAKE NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO SUCH INFORMATION, AND WE ASSUME NO LIABILITY RESULTING FROM ITS USE. USERS SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION FOR THEIR PARTICULAR PURPOSES. IN NO EVENT WE SHALL BE LIABLE FOR ANY CLAIMS, LOSSES, OR DAMAGES OF ANY THIRD PARTY OR FOR LOST PROFITS OR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES.

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