

Safety Data Sheet

Section 0 - Introduction

Mica 20 is considered an article under EU regulation (REACH), US regulation (TSCA) and therefore, no MSDS is legally required. Fibertec decides to continue to provide our customers SDS for assuring the safe handling and use of Fibertec products. This SDS was revised in accordance with GHS.

Section 1 - Chemical Product and Company Identification

Product Name(s): Mica 20

Manufacturer: Fibertec Inc.
35 Scotland Boulevard
Bridgewater, MA 02324 U.S.A.

Product Use: Filler for the plastics industry

Health and Technical Contacts:

Health Issues Information (8am-4pm ET): 508-697-5100
Technical Product Information (8am-4pm ET): 508-697-5100

Emergency Contacts:

(8am-4pm ET): 508-697-5100
Emergencies ONLY (after 4pm ET and weekends)
CHEMTREC (24 hours every day): 1-800-424-9300

Section 2 – Hazards Identification

Mica 20 is not classified using GHS criteria, or by OSHA or EU legislation.

HMIS and NFPA Hazard Ratings:

Category	HMIS	NFPA
Acute Health	1	1
Flammability	0	0
Reactivity	0	0

HMIS Personal Protection: To be supplied by user depending upon use.

Emergency Overview:

No unusual conditions are expected from this product.

Appearance and Odor: Colorless to red or brown powder with no odor.

Primary Route(s) of Exposure: Inhalation, lungs, skin and eye.

Potential Health Effects:

Inhalation: Acute – May cause upper respiratory tract infection. Remove from exposure. Get medical attention.

Chronic – Long term inhalation of mica dust above PEL-TWA exposure limits may cause scarring of the lungs. Medical surveillance including chest x-ray followed by annual examinations are recommended for each employee who is exposed above PEL-TWA exposure limits.

Skin Contact: Acute – May cause irritation and or transitory dermatitis. Cleanse with soap and warm water. Get medical attention if irritation persists.

Eye Contact: Acute – May cause irritation. Flush with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

Ingestion: Acute – Wash out mouth with water. Remove to fresh air. If material is swallowed and the victim is conscious, give small amounts of water. Do not induce vomiting unless directed to by medical personnel. Get medical attention.

Section 3 – Composition / Information on Ingredients

CAS #	Component	Weight %
12001-26-2	Potassium Aluminum Silicate	>99.7 %
None Assigned	Organic Sizing (“U” designation – NA)	=/< 0.3 %

Component Information/Information on Non-Hazardous Components

No additional information available.

Section 4 – First Aid Measures

Inhalation: If inhaled, move the affected person to fresh air. Get medical attention.

Skin Contact: Cleanse with soap and warm water. Get medical attention if irritation persists.

Eye Contact: Flush with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

Ingestion: Wash out mouth with water. Remove to fresh air. If material is swallowed and the victim is conscious, give small amounts of water. Do not induce vomiting unless directed to by medical personnel. Get medical attention.

Section 5 – Fire Fighting Measures

Flash Point: None
Upper Flammability Limit: None
Flammability Classification: Non-flammable

Flash Point Method: Not determined
Lower Flammability Limit: None

Extinguishing Media: Use an extinguishing agent suitable for the surrounding fire.

Unusual Fire & Explosion Hazards: None known.

Fire-Fighting Instructions: Use self-contained breathing apparatus (SCBA) and full bunker turnout gear in a sustained fire.

Hazardous Combustion Products: Combustion products may include metal oxide(s).

Section 6 – Accidental Release Measures

Containment Procedures: This material can be collected for disposal as non-hazardous waste. Dispose of in accordance with local, state and federal regulations.

Clean-Up Procedures: Collect by vacuum or wet methods to prevent dust generation

Response Procedures: Isolate area. Keep unnecessary personnel away.

Special Procedures: None.

Section 7 – Handling and Storage

Handling Procedures: Keep product in its packaging, as long as practicable to minimize potential dust generation. Keep work areas clean. Avoid unnecessary handling of scrap materials. Wear PPE as described in Section 8.

Storage Procedures: No special procedures.

Section 8 – Exposure Controls / Personal Protection

Exposure Guidelines:

A: General Product Information Follow all applicable exposure limits.

B: Exposure Limits

Mica 20 wet ground muscovite mica (CAS # 12001-26-2)

OSHA PEL (8 Hr TWA) for crystalline silica (as respirable quartz) is $\{(10 \text{ mg/m}^3)/\% \text{SiO}_2 + 2\}$

ENGINEERING CONTROLS

Ventilation: There is a possibility of high particulate exposure levels when working with this product. At a minimum, local exhaust and/or general dilution ventilation should be provided as necessary to maintain exposures below regulatory and recommended limits. Dust collection systems must be used in transferring operations, cutting or machining or other dust generating processes because of anticipated dust levels. Vacuum or wet-cleanup methods should be used.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: A properly fitted NIOSH approved N 95 series disposable dust respirator such as the 3M model 8210 (model 8271 in high humidity environments) or equivalent must be worn when using this material. Because of the possibility of high particulate levels occurring with this product, it may be necessary to use a half face respirator with P100 or HEPA filters during operations such as maintenance, clean up, or transferring. This decision should be made on a case-by-case basis depending on total exposures. Use respiratory protection in accordance with your company's respiratory protection program, local regulations and OSHA regulations under 29 CFR 1910.134.

Skin Protection: Normal work clothing (long sleeved shirts and long pants) is recommended. Skin irritation is known to occur chiefly at the pressure points such as around the neck, wrists, waist and between the fingers.

Where direct contact or handling causes airborne product, the use of gloves and coveralls is recommended.

Eyes/Face Protective Equipment: Wear safety glasses, goggles or face shield.

Section 9 – Physical & Chemical Properties

Appearance:	Colorless to red or brown powder	Odor	None
Physical State:	Solid	Ph	Not Applicable
Vapor pressure (mm)hg@20c:	Not Applicable	Vapor Density Air = 1	Not Applicable
Boiling point:	Not Applicable	Solubility	Insoluble
Specific Gravity H2O = 1:	2.7 – 2.8	Freezing Point	Not Applicable
Evaporation Rate (n-Butyl Acetate = 1):	Not Applicable	Melting point	Decomposition @ 1300 C

Physical Properties: Additional Information No additional information available.

Section 10 – Chemical Stability & Reactivity Information

Stability:	This is a stable material.
Conditions to Avoid:	None known.
Incompatible Materials:	None known.
Hazardous Decomposition Products:	None under normal condition.
Hazardous Polymerization:	Will not occur

Section 11 – Toxicological Information

Routes of Entry: Inhalation, Ingestion

Toxicity to Animals: LD50: Not Available, LC50 Not Available

Chronic Effects on Humans: Long term exposure above the PEL without respiratory protection may lead to chronic cough, indigestion or respiratory dysfunction.

Other Toxic Effects on Humans: Hazardous in case of ingestion or inhalation above the PEL without respiratory protection.

Section 12 – Ecological Information

No data available for this product. This product is not anticipated to harm animals, plants or fish.

Section 13 – Disposal Considerations

EPA Waste Number & Descriptions:

A: General Product Information

Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions:

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

Section 14 – Transportation Information

US DOT Information

Shipping Name: Not regulated for transport.

Hazard Class: None

UN/NA #: None

Packing Group: None

Required Label(s): None

TDG Information

Shipping Name: Not regulated for transport.

Hazard Class: None

UN/NA #: None

Packing Group: None

Required Label(s): None

Additional Info: None

Additional Transportation Regulations:

No additional information available.

Section 15 – Regulatory Information

A: General Product Information

No additional information available.

B: Component Analysis

No additional information available.

The following is provided to aide in the preparation of SARA 311 and 312 reports.

SARA 311/312
Acute Health Hazard: Yes
Chronic Health Hazard: Yes
Fire Hazard: No
Sudden Release of Pressure Hazard: No
Reactive Hazard: No

C: Clean Air Act

The following components appear on the Clean Air Act-1990 Hazardous Air Pollutants List:

None

State Regulations:

A: General Product Information

No additional information available

B: Component Analysis – State

The following components appear on one or more of the following state hazardous substances lists:

Potassium Aluminum Silicate	CAS # 12001-26-2	CA	FL	MA	MN	NJ	PA
		No	No	No	No	No	No

Other Regulations:

A: General Product Information

No additional information available.

B: Component Analysis – Inventory

Component	CAS #	TSCA	DSL	New Zealand	Aus	Miti Japan	EINECS
Potassium Aluminum Silicate	12001-26-2	Yes	Yes	Yes	Yes	No	Yes

C: Component Analysis – WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

None

WHMIS Status: Not controlled **WHMIS**

Classification: None

Section 16 – Other Information

Reasonable care has been taken in the preparation of this information, the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. Final determination of the suitability of the material for the use contemplated is the sole responsibility of the user. No warranty is expressed or implied, and the manufacturer's sole responsibility shall be to replace such quantity of the material proven to be defective.

Revision Summary:

This is a revised MSDS, which replaces Mica 20 dated 2/15/08 with updated contact information and 16 section GHS format. Read this information carefully.

Rev 1	15 February, 2008	Original
Rev 2	10 October 2012	Revised and updated format