



SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

PRODUCT/MATERIAL MICA SG(90,90-165); CD(1600,2200,3200); DC (10); OPTI(fine,brite); SMM 125; SMica(10,20,30,40,50); PMica(25,42,55);CF(10,20,30,40,50) ; NF 10x50; NF 10x50 B; FFNC-58; CF 20; XP-CF 12/125; XP-NFSM 20

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SECTION 2 - HAZARDS IDENTIFICATION



GHS 07

Eye irritant 2B - H320 - Causes eye irritation
Acute toxicity 5 - H333 - May be harmful if inhaled
STOT SE 3 - H335 - May cause respiratory irritation

SIGNAL WORD: WARNING

HAZARD STATEMENT: NUISANCE DUST, EYE IRRITANT, DUST MASK & SAFETY GLASSES RECOMMENDED

PRECAUTIONARY STATEMENT: STORE IN DRY ENVIRONMENT, DUST MASK & SAFETY GLASSES RECOMMENDED, CLEAN SPILLS BY SWEEPING, VACUUMING, OR FLUSHING WITH WATER.

HMIS (NFPA)

PRECAUTIONARY	HEALTH	1
STATEMENTS/LABELING:	FLAMMABILITY	0
	REACTIVITY	0
	PERSONAL PROTECTION	E*



GHS 08

Carcinogen 1A - H350 - May cause cancer

SIGNAL WORD: DANGER

HAZARD STATEMENT: RESPIRABLE SILICA IS NOT EXPECTED TO BE PRESENT IN THE DUST FROM THIS PRODUCT AT LEVELS EXCEEDING 0.1%. IF LEVELS ABOVE 0.1% ARE DETECTED THEN ADDITIONAL RESPIRATORY PROTECTIVE MEASURES SHOULD BE TAKEN. CRYSTALLINE SILICA IS LISTED WITH IARC AS A CLASS 1 CARCINOGEN AND WITH NTP AS A SUBSTANCE REASONABLY ANTICIPATED TO BE A CARCINOGEN.

ROUTE OF EXPOSURE:

SKIN CONTACT - NON-HAZARDOUS
SKIN ABSORPTION - NON-HAZARDOUS
EYE CONTACT - NUISANCE DUST
INGESTION - NON-HAZARDOUS
INHALATION - May cause respiratory irritation

TOTAL DUST (UNDER 1.0% TOTAL QUARTZ)
MICA: TLV = 10 mg/cu.ra. OF TOTAL DUST (ACGIH)
PEL = 29 CFR 1910.1000; TABLES Z-1 AND Z-3 (OSHA) TOTAL DUST (UNDER 1.0% TOTAL QUARTZ)
RESPIRABLE QUARTZ NOT TO EXCEED TLV OF 0.025 mg/cu.m. IN THE RESPIRABLE DUST.



PEL = 29 CFR 1910.1000; TABLES Z-1 AND Z-3. (OSHA)

NOTE: SOURCE - OSHA 29 CFR 1910.1000 TABLE Z-1-A, ACGIH TLV'S FOR CHEMICAL SUBSTANCES. TO THE BEST OF OUR KNOWLEDGE, NO STUDIES HAVE BEEN DONE ON EYE, SKIN, OR INGESTION HAZARDS.

SECTION 3 - INFORMATION ON INGREDIENTS

CHEMICAL NAME: MICA

CAS NUMBER 12001-26-2

MICA IS A NATURALLY OCCURRING SUBSTANCE CONTAINING MANY INGREDIENTS IN SMALL BUT VARYING AMOUNTS.

SECTION 4 - FIRST AID MEASURES

EYE AND SKIN: SAFETY GLASSES RECOMMENDED; FLUSH WITH WATER.

INHALATION AND INGESTION: REMOVE TO FRESH AIR, FOR DUSTY CONDITIONS USE A DUST MASK APPROVED BY NIOSH. SEEK MEDICAL ATTENTION, IF NECESSARY.

SECTION 5 - FIRE-FIGHTING MEASURES

FLASHPOINT: NONE

AUTOIGNITION TEMPERATURE: NONE

FLAMMABLE LIMITS IN AIR: NOT APPLICABLE

EXTINGUISHING MEDIA: NOT APPLICABLE

SPECIAL FIRE FIGHTING PROCEDURES: MICA IS NOT A FIRE OR AN EXPLOSION HAZARD.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PROCEDURE WHEN MATERIAL IS RELEASED OR SPILLED: NOT A "TOXIC POLLUTANT OR A HAZARDOUS SUBSTANCE UNDER SECTIONS 307 AND 311 OF THE CLEAN WATER ACT. CLEAN SPILLS BY SWEEPING, VACUUMING OR FLUSHING WITH WATER.

NEUTRALIZING CHEMICALS: NONE REQUIRED.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: NO SPECIAL PRECAUTIONS.

VENTILATION: USE SUFFICIENT GENERAL AREA VENTILATION. LOCAL EXHAUST MAY BE NECESSARY WHERE TLV'S ARE EXCEEDED OR DUSTY CONDITIONS EXIST.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT:

EYE - NON-ESSENTIAL, BUT DESIRABLE.

GLOVES - NON-ESSENTIAL.

RESPIRATORY PROTECTION - FOR DUSTY CONDITIONS USE A DUST MASK APPROVED BY NIOSH.

OTHER - NONE.

HMIS (NFPA)

PRECAUTIONARY

HEALTH

1

STATEMENTS/LABELING:

FLAMMABILITY

0

REACTIVITY

0

PERSONAL PROTECTION E*

PROLONGED BREATHING OF EXCESSIVE DUST MAY AFFECT LUNG FUNCTION. USE DUST MASK IN DUSTY AREAS.



SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES

APPEARANCE: WHITE/OFF WHITE POWDER
pH (28% SLURRY): 6,0 to 8,0
VAPOR DENSITY: NOT APPLICABLE
MELTING POINT: NOT AVAILABLE
FLAMMABILITY: NO

ODOR: NEGLIGIBLE
SPECIFIC GRAVITY: 2.75
BOILING POINT: NOT AVAILABLE
SOLUBILITY: NEGLIGIBLE

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS CONTRIBUTING TO INSTABILITY: NONE
CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: NONE
HAZARDOUS DECOMPOSITION PRODUCTS: NONE

SECTION 11 - TOXICOLOGICAL INFORMATION

LD50 - UNAVAILABLE
LC50 - UNAVAILABLE

EFFECTS OF ACUTE OVEREXPOSURE: NO ACUTE EFFECTS. BRIEF EXPOSURES ABOVE THE 8 HOUR THRESHOLD LIMIT VALUE SHOULD POSE NO ACUTE HEALTH RISKS.

EFFECTS OF CHRONIC OVEREXPOSURE: AS IS TRUE WITH NUISANCE DUSTS, LONG TERM OVEREXPOSURE TO HIGH CONCENTRATIONS OF THIS 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.

SECTION 12 - ECOLOGICAL INFORMATION

NO HARMFUL EFFECTS KNOWN OTHER THAN THOSE ASSOCIATED WITH SUSPENDED INERT SOLIDS IN WATER.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: NOT A HAZARDOUS WASTE UNDER RCRA SECTION 3001. USE NORMAL SOLID WASTE DISPOSAL PROCEDURES WHICH ARE IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION 14 - TRANSPORT INFORMATION

DOT: NOT RESTRICTED.

INTERNATIONAL REGULATIONS: UN NUMBER - NONE
INLAND WATERWAYS - NONE
IDAO/IATA - NONE

LAND TRANSPORT - NONE
IMGD CODE - NONE
HARMONIZED TARIFF CODE - 2525.20.0000



SECTION 15 - REGULATORY INFORMATION

STATE: CONSULT LOCAL AND STATE HAZARD COMMUNICATION REGULATIONS.

FEDERAL: CPSC - NONE	USDA - NONE
TSCA - LISTED	EINECS - LISTED
RCRA - NO	DSL - LISTED
SARA 304 - NO	SARA 311 - YES (ACGIH TLV ASSIGNED)
SARA 312 - POSSIBLY	SARA 313 - NO
OSHA - NOT LISTED BY NTP, OSHA OR IARC AS A CARCINOGEN.	
NJRTK - YES	

OTHER: CALIFORNIA PROPOSITION 65 - MICA IS NOT LISTED. HOWEVER, RESPIRABLE CRYSTALLINE SILICA IS LISTED AS A GROUP I CARCINOGEN BY IARC, AND AIRBORNE PARTICLES OF RESPIRABLE SIZE CRYSTALLINE SILICA ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. RESPIRABLE CRYSTALLINE SILICA IS NOT EXPECTED TO BE PRESENT AT LEVELS EXCEEDING 0.1%. IF LEVELS ABOVE 0.1% ARE DETECTED, ADDITIONAL RESPIRATORY PROTECTION MEASURES SHOULD BE TAKEN. (SEE SECTION 2 - HAZARDS INFORMATION AND SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION.) ALSO, MICA MAY CONTAIN TRACE (ppm) AMOUNTS OF MATERIALS THAT ARE ON THE LIST.

SECTION 16 - OTHER INFORMATION

THE INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET IS BELIEVED TO BE RELIABLE. 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 FEDERAL OR STATE REGULATIONS OR EXISTING PATENTS COVERING ANY MATERIAL OR ITS USE.

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