

CER FLEX MODULES & SHAPES

MSDS Number

BLCBF

National Stock Number

5640-00N017135

Product Name

CER FLEX MODULES & SHAPES

Manufacturer

C E REFRACTORIES

Product Identification

Product ID:CER FLEX MODULES & SHAPES MSDS Date:11/01/1985 FSC:5640 NIIN:00N017135 MSDS Number: BLCBF

Responsible Party

C-E REFRACTORIES

VALLEY FORGE, PA 19482

US

Emergency Phone: 215-337-1100

Info Phone: 203-285-9693

Cage: 8C482

Contractor

C-E REFRACTORIES DIV OF COMBUSTION ENGINEERING

KING OF PRUSSIA, PA 19406

US

215-337-1100 Cage: 8C482

Ingredients

CERAMIC FIBER (ALUMINA SILICATE FIBER) TLV IS AS MINERAL

ACGIH TLV: 10 MG/M3 (RDUST)

PERMISSIBLE EXPOS LIMIT(PEL) MAY BE CALCULATED BY

RTECS: 9999999ZZ

FREE SILICA PLUS TWO, AVERAGED OVER AN 8 HOUR WORK

RTECS: 9999999ZZ

(TEAR OUT) DUST GENERATION IS LIKELY. THE USER

RTECS: 9999999ZZ

TO AVOID INHALAITON OF DUST.



RTECS: 9999999ZZ

2.0-5.0 F/CC - NIOSH APPRVD DISPOSABLE DUST

EFFICIENCY FILTER. >50.0 F/CC - NIOSH APPRVD FULL

Hazards

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation: YES Skin: YES Ingestion: NO
Reports of Carcinogenicity: NTP: NO IARC: YES OSHA: NO
Health Hazards Acute and Chronic: ACUTE: IRRIT OF SKIN/UPPER RESP SYS.
PROD CAN CAUSE IRRIT TO EYES ON CONT/SKIN ON PRLNG CONT. CHRONIC:
CAN OCCUR FROM LONG TERM EXCESS INHAL OF CRYSTALLINE SILICA DUST.
CRYSTALLINE SILICA IN LUNGS CAN PRDC PNEUMOCCONIOSIS, COMMONLY
CALLED SILICOSIS, WHICH IS A SLOWLY DEVELOPING DISEASE. SYMP ARE
(SEE EFTS OF OVEREXP)

Explanation of Carcinogenicity:CRYSTALLINE SILICA: CLASS 2A (IARC).
SILICA FORMS AT TEMPS. OF 1000C. SEE HEALTH HAZARDS.
Effects of Overexposure:HLTH HAZ: USUALLY DELAYED (10 YEARS OR MORE).
SMOKING CAN INCR RISK OF INJURY. CERAMIC FIBER IS UNDER
INVESTIGATION AS A POSS ANIMAL CARCIN. ANIMAL STUDIES TO DATE ARE
INCONCLUSIVE. EXPOS TO DUST FROM PROD SHOULD BE MINIMIZED UNTIL
FURTHERANIMAL & HUMAN STUDIES ARE COMPLETE. PRODUCT IS SUSPECTED TO
BE ANIMAL (SUPDAT)

Medical Cond Aggravated by Exposure: PRE-EXISTING UPPER RESPIRATORY AND LUNG DISEASES SUCH AS, BUT NOT LIMITED TO, BRONCHITIS, EMPHYSEMA AND ASTHMA.

First Aid

First Aid:INHAL: REMOVE TO FRESH AIR. SUPPORT BRTHG. (GIVE O*2/ARTF RESP). INGEST: SEEK MD IMMED. EYES: FLUSH WITH WATER FOR AT LEAST 15 MIN. SKIN: WASH OFF THOROUGHLY USING MILD SOAP/WATER.

Fire Fighting

Flash Point: NON-COMBUSTIBLE

Extinguishing Media: USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS .

Fire Fighting Procedures: WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard: PRODUCT IS A NON-COMBUSTIBLE REFACTORY.

Accidental Release

Spill Release Procedures: NONE SPECIFIED BY MANUFACTURER. Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions: NIOSH/MSHA APPRVD RESP SHOULD BE USED FOR DUST LEVELS LESS THAN 10X PEL. DUST GENERATION SHOULD BE MINIMIZED BY USE OF DUST CONTROL EQUIP/H*20 SPRAY. Other Precautions: NONE SPECIFIED BY MANUFACTURER.

Exposure Controls

Respiratory Protection:NIOSH/MSHA APPROVED DUST RESPIRATOR WHERE DUST LEVELS MAY BE EXCEEDED. AND WHEN AIRBORNE FIBER EXPOSURE LIMITS ARE EXCEEDED. NIOSH/MSHA APPROVED BREATHING EQUIP MAY BE REQUIRED FOR NON-ROUTINE AND EME RGENCY USE. (SEE INGRED 6)

Ventilation:PROVIDE ADEQ GEN & LOCAL EXHAUST VENT TO MEET PEL

REQUIREMENTS. VENT SHOULD BE USED TO CONTROL/REDUCE AIRBORNE CONC.

Protective Gloves: NONE SPECIFIED BY MANUFACTURER.

Eye Protection: CHEMICAL WORKERS GOGGLES .

Other Protective Equipment: WEAR PROTECTIVE CLOTHING AND VACUUM CLEAN PRIOR TO REMOVING CLOTHING.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health



EFTS OF OVEREXP: CARCIN. TARGET ORGANS: LUNG/SKIN. CRYSTALLINE SILICA (CRISTOBALITE) WILL FORM AFTER SERVICE AT TEMP 1000C."AFTER SERVICE" DUSTS WILL TYPICALLY CONTAIN >20% CRISTOBALITE CAS #144646-46 -1(CRYSTALLINE SILICA) WHICH CAN PRESENT A HLTH HAZ IF INHALED OVER LONG PERIODS OF TIME. CURRENT OSHA (INGRED 2)

Chemical Properties

HCC:T6

Appearance and Odor: WHITE TO OFF-WHITE FIBER MODULES, NO ODOR.

Stability

Stability Indicator/Materials to Avoid:YES NONE SPECIFIED BY MANUFACTURER. Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER. Hazardous Decomposition Products:CRYSTALLINE SILICA (CRISTOBALITE) WILL FORM AFTER SERVICE AT TEMP OF 1000C.

Disposal

Waste Disposal Methods: SOLID WASTE REGULATION APPLY. CONSULT LOCAL, STATE AND FEDERAL REGULATORY AGENCIES TO DETERMINE BEST DISPOSAL ALTERNATIVES.

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