

CARBORUNDUM COMPANY,FIBERS DIVISION (WAS SOHIO) -- FIBERFRAX SLEEVING --
6850-00N011633

=====
Product Identification
=====

Product ID:FIBERFRAX SLEEVING
MSDS Date:05/12/1989
FSC:6850
NIIN:00N011633
MSDS Number: BJFKF
=== Responsible Party ===
Company Name:CARBORUNDUM COMPANY,FIBERS DIVISION (WAS SOHIO)
Box:808
City:NIAGARA FALLS
State:NY
ZIP:14302
Country:US
Info Phone Num:716-278-2000
Emergency Phone Num:800-424-9300 (CHEMTREC) (SEE SUPP)
Preparer's Name:RIGNEY
CAGE:F0696

=== Contractor Identification ===
Company Name:CARBORUNDUM COMPANY/FIBERS DIV
Box:808
City:NIAGARA FALLS
State:NY
ZIP:14302
Phone:(716) 278-2000
CAGE:F0696
Company Name:UNIFRAX CORPORATION
Address:2351 WHIRLPOOL ST
Box:City:NIAGARA FALLS
State:NY
ZIP:14305-2413
Country:US
Phone:800-322-2293(M-F;8-430EST)
CAGE:61158

=====
Composition/Information on Ingredients
=====

Ingred Name:REMAINING COMPONENTS NOT DETERMINED HAZARDOUS AND/OR
HAZARDOUS COMPONENTS PRESENT AT <1.0% (0.1% FOR CARCINOGENS).
Fraction by Wt: TRACE

Other REC Limits:N/K

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:ALUMINOSILICATE (VITREOUS) CONTAINING GLASS FILAMENT AND/OR

INCONEL WIRE INSERT

Fraction by Wt: 75-85%

Other REC Limits:2 FIBERS/CC TWA

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:ORGANIC CARRIER FIBER

Fraction by Wt: 15-25%

Other REC Limits:N/K

OSHA PEL:N/K

ACGIH TLV:N/K

=====
Hazards Identification
=====

LD50 LC50 Mixture:N/K

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO

Health Hazards Acute and Chronic:ABRASIVE ACTION MAY CAUSE DMG TO OUTER

SURF OF EYE.NO KNOWN CHRONIC HEALTH EFTS IN HUMANS FROM LONG-TERM EXPOS TO CERAMIC FIBERS.EXPOS TO BINDER BURNOFF FUMES MAY CAUSE RESP TRACT IRRIT,BRONCHIAL HYPE R-REACTIVITY,ASTHMATIC RESPONSE.

MAY

FORM CRISTOBALITE AT ELEVATED TEMP,POSS CAUSING SEV RESP DISEASE (PNEUMOCONIOSIS).

Explanation of Carcinogenicity:CERAMIC FIBERS:NO DATA AVAILABLE TO ALLOW AN EVALUATION OF CARCIN IN HUMANS;SUFF EVID FOR CARC IN ANIMALS (IARC,1988).

Effects of Overexposure:EYES:SLIGHT TO MOD IRRIT.ABRASIVE ACTION MAY DAMAGE OUTER SURFACE.SKIN:SLIGHT TO MOD IRRIT.MAY CAUSE IRRIT & INFLAMMATION DUE TO MECHANICAL REACTION TO SHARP,BROKEN ENDS OF FIBERS.INGEST:MAY CAUSE GAS TROINTESTINAL DISTURBANCES.SYMP MAY INCLUDE IRRIT,NAUSEA,VOMIT,DIARRHEA.INHAL:POSS HARMFUL.MAY CAUSE RESP TRACT IRRIT.

Medical Cond Aggravated by Exposure:PRE-EXISTING MEDICAL CONDITIONS MAY

BE AGGRAVATED BY EXPOSURE;SPECIFICALLY,BRONCHIAL HYPER-REACTIVITY

AND CHRONIC BRONCHIAL OR LUNG DISEASE.

=====
First Aid Measures
=====

First Aid:EYES:FLUSH IMMED W/ LARGE AMTS OF WATER FOR AT LEAST 15 MIN.HOLD LIDS AWAY FROM EYEBALL.DO NOT RUB EYES.GET MED ATTN IF IRRIT PERSISTS.SKIN:WASH THOROUGHLY W/ SOAP & WATER.DO NOT RUB OR SCRATCH EXPOSE D SKIN.SKIN CREAM OR LOTION AFTER WASHING MAY HELP.GET MED ATTN IF IRRIT PERSISTS.INGEST:DO NOT INDUCE VOMITING.GET MEDICAL ATTENTION IF IRRIT PERSISTS.INHAL:REMOVE FROM SOURCE OF EXPOS.GET MED ATTN.

=====
Fire Fighting Measures
=====

Flash Point:NONE
Extinguishing Media:USE EXTINGUISHING AGENT SUITABLE FOR TYPE OF SURROUNDING FIRE.
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .USE EXTINGUISHING AGENT SUITABLE FOR TYPE OF SURROUNDING FIRE.NONCOMBUSTIBLE.

=====
Accidental Release Measures
=====

Spill Release Procedures:WHERE POSSIBLE,USE VACUUM SUCTION TO CLEAN UP SPILLED MATERIAL.USE DUST SUPPRESSANT WHERE SWEEPING IS NECESSARY.AVOID CLEAN UP PROCEDURES THAT MAY RESULT IN WATER POLLUTION.PERSONAL SAFETY & EXPOSURE RECOMMENDATIONS APPLY TO EXPOS DURING CLEAN UP.
Neutralizing Agent:N/K

=====
Handling and Storage
=====

Handling and Storage Precautions:USE ADEQ VENT/OTHER PREC TO ELIM VAPORS FROM BINDER BURNOFF (POSS RESP TRACT IRRIT,BRONCHIAL HYPER-REACTIVITY,ASTHMATIC RESPONSE).
Other Precautions:ELEVATED TEMP (>1800F,982C) MAY CAUSE PARTIAL CONVERSION TO CRISTOBALITE:MIN DUST,AVOID CUTTING/TEARING OF USED MATL,USE NIOSH/MSHA APPROVED EQUIP ESP IN INAD VENT;AMT DEPENDS ON TEMP/LENGTH IN SERVIC E;CAN CAUSE SEV RESP DISEASE,POSS CARC.

=====
Exposure Controls/Personal Protection
=====

Respiratory Protection:USE NIOSH OR MSHA APPROVED EQUIPMENT WHEN AIRBORNE EXPOSURE LIMITS ARE EXCEEDED.NIOSH/MSHA APPROVED BREATHING

EQUIPMENT MAY BE REQUIRED FOR NON-ROUTINE AND EMERGENCY USE.

Ventilation:VENTILATION MAY BE USED TO CONTROL OR REDUCE AIRBORNE CONCENTRATIONS.

Protective Gloves:AS NECESSARY

Eye Protection:SAFETY GLASSES OR CHEMICAL GOGGLES.

Other Protective Equipment:EYE WASH FACILITY.WEAR HATS,FULL BODY CLTHG TO PVNT CONTACT.USE SEP LOCKERS TO PVNT FIBER TRANSFER TO STREET CLOTHES.

Work Hygienic Practices:DO NOT WEAR CONTACT LENSES.AVOID TAKING UNWASHED WORK CLOTHES HOME/PROVIDE DISPOSABLE CLTHG.WASH WORK CLTHG

(SEE SUPP)

Supplemental Safety and Health

EMER PHONE:800-362-8059,BP AMERICA (IN OHIO);800-321-8642 (OUTSIDE OHIO).HYGIENE PRACT:SEPARATELY.RINSE WASHING MACHINE THOROUGHLY AFTER USE.IF CLOTHING LAUNDERED BY SOMEONE ELSE,INFORM OF PROPER PROC EDURE.ROUTES OF ENTRY:INHALATION/SKIN/INGESTION .DELAYED HAZARD.

===== Physical/Chemical Properties =====

Decomp Temp:Decomp Text:N/K

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

INCOMPATIBLE WITH HYDROFLUORIC ACID AND CONCENTRATED ALKALI.

Stability Condition to Avoid:STABLE UNDER NORMAL CONDITIONS OF USE.

Hazardous Decomposition Products:PRODUCT WHICH HAS BEEN IN SERVICE AT ELEVATED TEMP (>1800F,982C) MAY UNDERGO PARTIAL CONVERSION TO CRISTOBALITE.

===== Disposal Considerations =====

Waste Disposal Methods:DISP MUST BE IAW FEDERAL,STATE & LOCAL REGS . NOT

LISTED AS HAZ WASTE;POSS HAZ IF TOXIC,CORR,IGNITABLE,REACTIVE PER FEDERAL DEFNS (40CFR261) OR IN CONTACT W/ HAZ WASTE (CHECK 40CFR261).REGS 40CFR 262,263,264 APPLY IF HAZ.SARA LISTED SECT

311/312.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.