

CARBORUNDUM CO-FIBERS DIV -- FIBERFRAX DURABLANKET -- 5640-01-302-3904

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Product Identification  
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Product ID:FIBERFRAX DURABLANKET  
MSDS Date:09/23/1988  
FSC:5640  
NIIN:01-302-3904  
MSDS Number: BMWMB  
=== Responsible Party ===  
Company Name:CARBORUNDUM CO-FIBERS DIV  
Box:808  
City:NIAGARA FALLS  
State:NY  
ZIP:14302  
Country:US  
Info Phone Num:716-278-2000  
Emergency Phone Num:800-321-8642;800-424-9300  
(CHEMTREC)  
Preparer's Name:RIGNEY  
CAGE:5L608  
=== Contractor Identification ===  
Company Name:CARBORUNDUM CO-FIBERS DIV  
Box:City:NIAGARA FALLS  
State:NY  
ZIP:14302  
Country:US  
Phone:716-278-2000  
CAGE:5L608

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Composition/Information on Ingredients  
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Ingred Name:ALUMINUM (III) SILICATE (2:1); (ALUMINOSILICATE)  
CAS:1302-76-7  
RTECS #:BD1450000  
Fraction by Wt: 99-100%

Ingred Name:SUPP DATA:INJECTION TECH IS NON-PHYSIOLOGICAL METH OF  
EXPOS, BYPASSING BOTH NORM PULM PROT & C

LEARANCE (ING 3)  
RTECS #:9999999ZZ

Inged Name:ING 2:MECHANISMS. RECENTLY PUBLISHED INHAL STUDIES HAVE PROVIDED CONTRADICTORY RSLTS. ONE STUDY, WHICH USED RATS (ING 3)  
RTECS #:9999999ZZ

Inged Name:ING 3: AS EXPERIMENTAL ANIMAL, RPTD LUNG DAM CONSISTING OF ALVEOLAR PROTEINOSIS & INTERSTITIAL FIBROSIS, (ING 5)  
RTECS #:9999999ZZ

Inged Name:ING 4:WHEREAS, OTHER STUDIES USING RATS & HAMSTERS, SHOWED NO SIMILAR EFTS. PULM TUMOR-CAUSING POTNTL OF (ING 6)  
RTECS #:9999999ZZ

Inged Name:  
ING 5:REFRACTORY CERAMIC FIBERS IN ANIMALS IS UNCLEAR. TWO INHAL STUDIES SUGGEST LOW-ORDER POTNTL IN INDUCING (ING 7)  
RTECS #:9999999ZZ

Inged Name:ING 6:PULM TUMORS IN ANIMALS, WHILE OTHER INHAL & INTRACTRACHEAL INJECTION STUDIES CONCLUDE THAT CERAMIC FIBERS (ING 8)  
RTECS #:9999999ZZ

Inged Name:ING 7:ARE NOT TUMORIGENIC IN ANIMALS. FURTHER ANIMAL & HUMAN HLTH STUDIES ARE PLANNED. PENDING RSLTS OF THESE (ING 9)  
RTECS #:9999999ZZ

Inged Name:ING 8: STUDIES, STRICT ADHERENCE TO RECOM SAFE WORK PRACTICES DESCRIBED IN ORIGINAL DATA SHEET IS ADVISED.(ING 10)  
RTECS #:9999999ZZ

Inged Name:ING 9:INTL AGENCY OF RESEARCH ON CANCER (IARC) HAS RECENTLY REVIEWED ANIMAL, HUMAN & OTHER RELEVANT EXPERIMENTAL(ING 11)  
RTECS #:9999999ZZ

Inged Name:ING 10:DATA ON MAN MADE MINERAL FIBERS IN ORDER TO CRITICALLY EVALUATE & CLASSIFY CANCER CAUSING POTNTL OF MATL.(ING 12)  
RTECS #:9999999ZZ

Inged Name:ING 11:BASED ON REVIEW, IARC CLASSIFIED FIBROUS GLASS WOOL, MINER

AL WOOL (BOTH ROCK WOOL & SLAG WOOL) & CERAMIC (ING 13)

RTECS #:9999999ZZ

Ingred Name:ING 12:FIBER AS GROUP 2B CARCIN. BY DEFIN, GROUP 2B AGENT  
IS POSS CARCINOGENIC TO HUMANS. FOR REFRACTORY (ING 14)

RTECS #:9999999ZZ

Ingred Name:ING 13:CERAMIC FIBERS, IARC'S 2B CLASSIFICATION WAS BASED  
ON SUFFICIENT EVIDENCE OF CARCIN EXPERIMENTAL ANIMALS (ING 15)

RTECS #:9999999ZZ

Ingred Name:ING 14:IN ABSENCE OF HUMAN EPIDEMIOLOGIC DATA.

RTECS #:9999999ZZ

Ingred Name:FIRST AID PROC: REMOVE AFFECT  
ED PERSON FROM SOURCE OF  
EXPOSURE. GET MEDICAL ATTENTION.

RTECS #:9999999ZZ

Ingred Name:SPILL PROC: OF SPILLED MATERIAL.

RTECS #:9999999ZZ

Ingred Name:WASTE DISP METH: DESIGNATED AS HAZ ACCRDG TO ST REGS.  
SUBSTANCE COULD ALSO BECOME HAZ WASTE IF MIXED W/COMES (ING 19)

RTECS #:9999999ZZ

Ingred Name:ING 18:CONT W/HAZ WASTE. IF SUCH CONT/MIXING MAY HAVE  
OCCURED, CHECK 40 CFR 261 TO DETERM WHETHER IT IS HAZ (ING 20)

RTECS #:9999999ZZ

Ingred Name:ING 19:WASTE, REGS @ 40 CFR 262, 263 &  
264 APPLY.

TRANSPORTATION/STOR/TRTMT/DISP OF WASTE MATL MUST BE CONDUCTED(ING  
21)

RTECS #:9999999ZZ

Ingred Name:ING 20:IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE,  
AND LOCAL REGULATIONS.

RTECS #:9999999ZZ

Ingred Name:HNDLG/STOR PREC:RESP DISEASE--"PNEUMOCONIOSIS". AMT OF  
CRISTOBALITE PRESENT WILL DPND ON TEMP & LGTH IN SERVICE.

RTECS #:9999999ZZ

Ingred Name:OTHER PREC:MATL TO MINIMIZE GENERATION OF AIRBORNE DUST.

RTECS #:9999999ZZ

Ingred Name:HYGIENE PRACT:CLTHS HOME/PR

PROVIDE DISP WORK CLTHG. WASH WORK  
CLOTHES SEPARATELY FROM OTHER CLTHG. RINSE WASHING (ING 25)  
RTECS #:9999999ZZ

Ingrd Name:ING 24: MACHINE THORO AFTER USE. IF CLTHG IS TO BE  
LAUNDERED BY SOMEONE ELSE, INFORM LAUNDERER OF PROPER PROCEDURES.  
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

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alth Hazards Acute and Chronic:MAY BE HARMFUL IF INHALED. MAY BE  
IRRITATING TO SKIN/EYES/RESP TRACT. POSS CANCER HAZ BASED ON TESTS  
W/LAB ANIMALS. INGEST:MAY CAUSE GI DISTURB. SYMP MAY INCL  
IRRIT/NAUS/VOMIT/DIARRH. SKIN: SLIGHTLY T O MOD IRRITATING. MAY  
CAUSE IRRIT & INFLAMM DUE TO MECH RXN TO SHARP, BROKEN ENDS OF  
FIBERS. EYE: (EFTS OF OVEREXP)

Explanation of Carcinogenicity:FIBROUS GLASS WOOL, MINERAL WOOL &  
CERMAIC FIBER: GROUP 2B (IARC).

Effects of Overexposure:HLTH H

AZ: SLIGHTLY TO MOD IRRITATING. ABRASIVE

ACTION MAY CAUSE DAM TO OUTER SURF OF EYE. INHAL:MAY CAUSE RESP  
TRACT IRRIT. CURRENTLY, THERE ARE NO KNOWN CHRONIC HLTH EFTS IN  
HUMANS FROM LONG-TERM EXP OS TO CERAMIC FIBERS. IN ANIMAL STUDIES,  
REFRACTORY CERAMIC FIBERS INJECTED INTO PERITONEAL (ABDOM) CAVITY  
(SUPP DATA)

Medical Cond Aggravated by Exposure:PRE-EXISTING MED CNDTNS MAY BE  
AGGRAVATED BY EXPOSURE; SPECIFICALLY, BRONCHIAL HYPER-REACTIVITY  
AND CHRONIC BRONCHIAL OR L  
UNG DISEASE.

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

First Aid:INGEST:DO NOT INDUCE VOMIT. GET MED ATTN IF IRRIT PERSISTS.  
SKIN:WASH AREA OF CONT THORO W/SOAP/H\*20. DO NOT RUB/SCRATCH  
EXPOSED SKIN. USING SKIN CREAM/LOTION AFTER WASHING MAY BE HELPFUL.  
GET MED ATT N IF IRRIT PERSISTS. EYE:FLUSH IMMED W/LG AMT OF H\*20  
FOR @ LST 15 MIN. LIDS SHOULD BE HELD AWAY FROM EYEBALL TO ENSURE  
THRU RINSING. DO NOT RUB EYES. GET MED ATTN IF IRRIT PERSISTS.

INHAL: (ING 16)

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

Flash Point:NONE

Extinguishing Media:USE EXTINGUISHING AGENT SUITABLE FOR TYPE OF SURROUNDING FIRE.

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

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

Spill Release Procedures:WHERE POSS, USE VACUUM SUCTION TO CLEAN UP SPILLED MATL. USE DUST SUPPRESSANT WHERE SWEEPING IS NEC. AVOID CLEAN

UP PROC THAT MAY RSLT IN H\*2O POLLUTION. PERS SFTY & EXPOS RECOM DESCRIBED ELSEWHERE IN DATA SHEET APPLY TO EXPOS DURING CLEANUP(ING 17)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:PROD WHICH HAS BEEN IN SERVICE @ ELEVATED TEMP (>1800F)MAY UNDERGO PARTIAL CONVERSION TO CRISTOBALITE,FORM OF CRYSTALLINE WHICH CAN CAUSE SEV (ING 22)

Other Precautions:PARTICULATE CARE SHOULD BE TAKEN WHEN WORKING

W/"USED" MATL TO MINIMIZE GENERATION OF DUST. WHEN REMOVING & HNDLG CERAMIC FIBER USED IN HIGH TEMP APPLICATN, SPECIAL CAUTION SHOULD BE TAKEN TO AVOID UN NEC CUTTING & TEARING OF USED (ING 23)

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

Respiratory Protection:USE NIOSH/MSHA APPROVED EQUIPMENT WHEN AIRBORNE EXPOSURE LIMITS ARE EXCEEDED. NIOSH/MSHA APPROVED BREATHING EQUIPMENT MAY BE REQUIRED FOR NON-ROUTINE AND EMERGENCY USE. R EFER

TO ORIGINAL MSDS FOR FURT HER INFORMATION .

Ventilation:VENT MAY BE USED TO CTRL OR REDUCE AIRBORNE CONCENTRATIONS

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:EYE WASHING FACILITIES READILY AVAIL WHERE EYE CONT CAN OCCUR. HATS OR FULL BODY CLTHG TO PVNT SKIN CONT AS NEC.

Work Hygienic Practices:USE SEPARATE LOCKERS FOR WORK CLOTHES TO PVNT FIBER TRANSFER TO STREET CLOTHES. AVOID TAKING UNWASHED WORK (ING 24)

Supplemental Safety and Health

EFFECTS OF OVEREXPOSURE: HAVE CAUSED ACUTE ABDOMINAL HEMORRHAGE IN HAMSTERS BUT NOT IN RATS. SUCH INJECTIONS INTO ABDOMINAL/PLEURAL CAVITIES HAVE ALSO PRODUCED TUMORS IN LIFE-TIME RAT & HAMSTER STUDIES. IN FACT, SIMILAR RESULTS HAVE BEEN OBSERVED WITH NUMEROUS OTHER FIBROUS & NON-FIBROUS MATERIALS. IN SUCH EXPERIMENT, ABNORMALLY SENSITIVE (ING 2)

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

Stability Indicator/Materials to Avoid: YES

INCOMPATIBLE WITH HYDROFLUORIC ACID AND CONCENTRATED ALKALI.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods: SUBSTANCE, WHEN DISCARDED/DISPOSED OF, IS NOT SPECIFICALLY LISTED AS HAZARDOUS WASTE IN FEDERAL REGULATIONS; HOWEVER IT COULD BE HAZARDOUS IF IT IS CONSIDERED TOXIC, CORROSIVE, IGNITABLE, OR REACTIVE ACCORDING TO FEDERAL DEFINITIONS (40 CFR 261). ADDITIONALLY, IT COULD BE (ING 18)

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