

BENDIX CORP THE FRICTION MATERIALS DIV -- BENDIX FRICTION MATERIAL -- 2530-01-068-6451  
===== Product Identification =====

Product ID:BENDIX FRICTION MATERIAL

MSDS Date:03/01/1988

FSC:2530

NIIN:01-068-6451

MSDS Number: BRTCD

=== Responsible Party ===

Company Name:BENDIX CORP THE FRICTION MATERIALS DIV

Address:GREEN ISLAND

Box:238

City:TROY

State:NY

ZIP:12181

Country:US

Info Phone Num:518-270-0200

E

mergency Phone Num:518-270-0200

Preparer's Name:E.L. ROGERS

CAGE:76126

=== Contractor Identification ===

Company Name:BENDIX CORP THE FRICTION MATERIALS DIV-ALLIED CORP

Address:GREEN ISLAND

Box:238

City:TROY

State:NY

ZIP:12181

Country:US

Phone:518-273-6550/518-270-0200

CAGE:76126

Company Name:KALMAR AC HANDLING SYSTEMS INC

Address:777 MANOR PARK DR

Box:City:COLUMBUS

State:OH

ZIP:43228

Country:US

CAGE:0AHU0

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

Ingred Name:ASBESTO

S, CHRYSOTILE  
CAS:12001-29-5  
RTECS #:CI6478500  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.2 FIBERS/CC  
ACGIH TLV:2 FIBERS/CC; A1;9293

Ingred Name:SILICA, ALPHA QUARTZ  
CAS:14808-60-7  
RTECS #:VV7330000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:SEE TABLE Z3  
ACGIH TLV:0.1 MG/M3 RDUST;9293

Ingred Name:SILICATE(S)  
CAS:14407-96-6  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG/M3  
ACGIH TLV:10 MG/M3

Ingred Name:CARBON BLACK  
CAS:1333-86-4  
RTECS #:FF5800000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL  
:3.5 MG/M3  
ACGIH TLV:3.5 MG/M3; 9293

Ingred Name:COKE-PETROLEUM DERIVED  
Other REC Limits:NONE RECOMMENDED

Ingred Name:PHENOLIC AND CASHEW RESINS,CURED  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG/M3  
ACGIH TLV:10 MG/M3

Ingred Name:GRAPHITE  
CAS:7782-42-5  
RTECS #:MD9659600  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MPPCF RDUST  
ACGIH TLV:2 MG/M3 RDUST; 9293

Ingred Name:IRON  
CAS:7439-86-6  
RTECS #:NO6925000  
Other REC Limits:NONE RECOMMENDED

Ingred Name:IRON OXIDE  
CAS:1309-37-1  
RTECS #:NO74

00000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG/M3 (FE)  
ACGIH TLV:5 MG/M3(FE),B2; 9293

Ingred Name:ZINC (SARA III)  
CAS:7440-66-6  
RTECS #:ZG8600000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG ZNO/M3  
ACGIH TLV:10 MG ZNO/M3; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:ZINC OXIDE  
CAS:1314-13-2  
RTECS #:ZH4810000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15MG/M3 TDUST/5 FUME  
ACGIH TLV:10MG/M3 TDUST; 9293

Ingred Name:ALUMINUM (SARA III)  
CAS:7429-90-5  
RTECS #:BD0330000  
Oth  
er REC Limits:NONE RECOMMENDED  
OSHA PEL:15MG/M3 DUST/5 FUME  
ACGIH TLV:10MG/M3 DUST; 9293

Ingred Name:ALUMINUM OXIDE  
CAS:1302-74-5  
RTECS #:GN0231000  
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:SKIN:PARTIALLY CURED PHENOLIC OR  
CASHEW RESIN MAY CAUSE DERMATITIS.INHAL:SILICA DUST MAY CAUSE

SILICOSIS.ASBESTOS CAN CAUSE ASBESTOSIS,LUNG CANCER,MESOTHELIOMA.  
METAL DUST MAY CAUSE IRRITATION.EYES:MA Y CAUSE  
IRRITATION.INGEST:MAY CAUSE GASTROINTESTINAL DISTURBANCES. PEOPLE  
WHO SMOKE ARE AT INCREASED RISK FROM ASBESTOS.

Explanation of Carcinogenicity:CONTAINS A [1332-21-4] WHICH IS  
LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN.

Effects of Overexposure:PARTIALLY CURED CASHEW RESINS-SKIN ERUPTIONS  
RESEMBLING POISON IVY.ASBESTOS/SILICA-COUGHING,WHEEZI  
NG,SHORTNESS

OF BREATH,IMPAIRED PULMONARY FUNCTION. DUSTS IN EYE MAY CAUSE  
IRRITATION. G/I DISTURBANCE S ARE POSSIBLE FROM INGESTION.

Medical Cond Aggravated by Exposure:SMOKERS ARE AT INCREASED RISK IN  
WORKING WITH AIRBORNE ASBESTOS FIBERS.

=====  
First Aid Measures  
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First Aid:MANUFACTURER STATES THAT NONE SHOULD BE NESCESSARY WITH THE  
PROPER HANDLING OF THIS MATERIAL.

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Fire Fighting Measures  
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Extinguishing Media:WATER(TYPE A,B,C EXTINGUISHER),FOG,FOAM.

Fire Fighting Procedures:"N/A" (NONE SPECIFIED BY MANUFACTURER.)

Unusual Fire/Explosion Hazard:"N/A" (ONE SPECIFIED BY MANUFACTURER.)

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Accidental Release Measures  
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Spill Release Procedures:HMIS: PICK UP PIECES. IF ASBESTOS DUST HAS  
BEEN PRODUCED, WEAR HEPA FILTERED RESPIRATOR AND FOLLOW REGULATION  
29CFR1900.1001, ASBESTOS STANDARD. CLEAN BY WET METHODS AND/OR HEPA  
VACUUM.

Neutr  
alizing Agent:NO INFORMATION GIVEN ON MSDS BY MFR.

=====  
Handling and Storage  
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Handling and Storage Precautions:DO NOT BREATH ASBESTOS DUST!

Other Precautions:NONE

=====  
Exposure Controls/Personal Protection  
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Respiratory Protection:NOT NORMALLY NEEDED. IF AIRBORNE ASBESTOS DUSTS  
ARE BEING PRODUCED, WEAR NIOSH APPROVED HEPA RESPIRATOR OR SUPPLIED  
AIR RESPIRATOR.

Ventilation:LOCAL EXHAUST IS PREFERRED.

Protective Gloves:COT

TON OR CANVAS GLOVES.

Eye Protection:SAFETY GLASSES.

Other Protective Equipment:USE CLOTHING TO COVER THE SKIN AGAINST CONTACT FROM DUST.

Work Hygienic Practices:USE PROPER DUST CONTROL MEASURES.USE A HEPA VACUUM;DO NOT DRY SWEEP.WET CLEAN SURFACES. SEE 29CFR1910.1001

Supplemental Safety and Health

KEY2:KT

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

HCC:T6

NRC/State Lic Num:NONE

Spec Gravity:1.6-3.7

Evaporation Rate & Reference:0

Solubility in Water:0

Appearance

Color and Odor:SOLID,ODORLESS,LIGHT TAN TO DARK GREY COLOR.

Corrosion Rate:UNKNOWN

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

Stability Indicator/Materials to Avoid:YES

NONE KNOWN

Stability Condition to Avoid:NONE KNOWN

Hazardous Decomposition Products:INCOMPLETE COMBUSTION WILL RESULT IN CARBON MONOXIDE AND CARBON DIOXIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR NONE KNOWN

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

Waste Disposal

Methods:PLACE IN PROPER RECEPTACLES.DISPOSE OF IN AUTHORIZED LANDFILLS IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.

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