

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

Emergency 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:ASBEST

OS, 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 PE
L: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 #:NO7

400000
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
Other 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

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===== 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 CAUS

E

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,WHEEZ
ING,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.

=====
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.)

=====
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.

Neut
ralizing 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:CO

TTON 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

Appe

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

Corrosion Rate:UNKNOWNN

===== 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 Di

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

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