

BENDIX CORP THE FRICTION MATERIALS DIV-ALLIED CORP -- DRUM BRAKE SEGMENTS AND  
BLOCKS/DISK BRAKE P -- 2520-00-096-6345

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Product Identification  
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Product ID:DRUM BRAKE SEGMENTS AND BLOCKS/DISK BRAKE P

MSDS Date:07/30/1986

FSC:2520

NIIN:00-096-6345

MSDS Number: BPMPJ

=== Responsible Party ===

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

Address:GREEN ISLAND

Box:238

City:T

ROY

State:NY

ZIP:12181

Country:US

Info Phone Num:518-273-6550

Emergency Phone Num:518-273-6550

Preparer's Name:E.L. ROGER

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

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Composition/Information on Ingredients  
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Ingred Name:ASBESTOS, CHRYSOTILE

CAS:12001-29-5

RTECS #:CI6478500

Other REC Limits:NON

E RECOMMENDED  
OSHA PEL:0.2 FIBERS/CC  
ACGIH TLV:2 FIBERS/CC; A1;9293

Ingred Name:SILICA, CRYSTALLINE - 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:SILICATES  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG/M3 (MFR)  
ACGIH TLV:10 MG/M3 (MFR)

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:CURED PHENOLIC AND CASHEW RESINS  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG/M3 (MFR)  
ACGIH TLV:10 MG/M3 (MFR)

Ingred Name:IRON,ZINC,ALUMINUM & THEIR OXIDES  
Other REC Limits:NONE RECOMMENDED

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

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

Routes of Entry: Inhalat

ion:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:ACUTE & CHRONIC-SOME PERSONS MAY BE SENSITIVE TO PHENOLIC/CASHEW RESINS & DEVELOP DERMATITIS.DUSTS OF CRYSTALLINE SILICA MAY CAUSE SILICOSIS.METAL DUSTS CAN IRRITATE EYES & UPPER RESPIRATORY TRACTS.GI DISTURBANCES IF INGESTED.CHRONIC POISONING FROM FE,AL & ZN DUSTS.ASBESTOS FIBERS CAN CAUSE ASBESTOSIS & LUNG CANCER.

Explanation of Carcinogenicity:ASBESTOS IS REGULATED BY OSHA AS A CARCINOGEN.

Effects of Overexposure:SOME PERSONS MAY BE SENSITIVE TO PHENOLIC/CASHEW RESINS & DEVELOP DERMATITIS. DUSTS OF CRYSTALLINE SILICA CAUSES SILICOSIS,COUGHING,WHEEZING. METAL DUSTS CAN IRRITATE EYES & UPPER RESPIRATORY TRACTS. GI DISTURBANCES IF INGESTED. CHRONIC POISONING FROM FE, AL & ZN DUSTS. ASBESTOS FIBERS CAN CAUSE ASBESTOSIS,LUNG CANCER.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS SUCH AS DERMATITIS, RESPIRATORY PROBLEMS, LUNG DISEASE OR ANY CONDITION THAT MAY BE AGGRAVATED BY NUISANCE DUST OR FIBERS.

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

First Aid:SHOULD NOT BE NECESSARY FROM A PROPER HANDLING OF THIS FRICTION MATERIAL PRODUCT. SEEK MEDICAL ATTENTION IF SYMPTOMS DEVELOP. IN CASE OF EYE IRRITATION GENTLY RINSE WITH WATER FOR 15 MINUTES WHILE KEEP EYELIDS OPEN. SKIN: WASH FREQUENTLY WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. INGESTION: UNLIKELY.

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

Flash Point:NON FLAMMABLE

Extinguishing Media:WATER, (CLASS A, B OR C), FOG OR FOAM. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:TOXIC DECOMPOSITION FUMES MAY BE EVOLVED IN A FIRE.

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

Spill Release Procedures:TREAT DUST AS FREE ASBESTOS. DO NOT DRY SWEEP OR USE COMPRESSED AIR. WET METHOD SHOULD BE USED FOR EXTRACTION OF DUST AND DEBRIS. HIGH EFFICIENCY PARTICULATE APPARATUS (HEPA) VACUUMS SHOULD BE USED.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORAGE- AVOID CREATING DUST BY SANDING OR GRINDING THE PRODUCT.

Other Precautions:DANGER!CONTAINS ASBESTOS.DURING BRAKE SERVICING,THE MECHANIC SHOULD WEAR A NIOSH-APPROVED RESPIRATOR FOR ASBESTOS DUST. REMOVE ACCUMULATED DUST WITH AN INDUSTRIAL VACUUM CLEANER EQUIPPED WITH A HIGH EFFICIENCY FILTER SYSTEM OR A DAMP CLOTH.

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

Respiratory Protection:USE NIOSH APPROVED HIGH EFFICIENCY FIBERS/FUMES RESPIRATOR WHEN AIRBORNE FIBER CONCENTRATIONS EXCEED THE PEL OR WHEN MACHINING IS NECESSARY.

Ventilation:LOCAL/GENERAL TO MAINTAIN PEL/TLV. CHECK LOCAL REGULATIONS FOR EMISSION STANDARDS.

Protective Gloves:LEATHER, COTTON OR RUBBER AS NEEDED

Eye Protection:DUST-RESISTANT SAFETY GOGGLES

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER, WORK CLOTHING AND APRON AS REQUIRED. DO NOT WEAR CONTACT LENSES

Work Hygienic Practices:DON'T TAKE PROTECTIVE GEAR/CLOTHING HOME IF EXPOSED TO DUST. DON'T SHAKE. DON'T EAT IN AREA WHERE ASBESTOS/DUST PRESENT.

Supp

lemental Safety and Health

WHENEVER POSSIBLE, PURCHASE FRICTION MATERIALS PRE-GROUND AND READY FOR INSTALLATION. INDUSTRIAL VACUUM CLEANER BAGS CONTAINING ASBESTOS DUST AND CLOTHS USED FOR WIPING BRAKE ASSEMBLIES SHOULD BE SEALED IN PLASTIC BAGS AND LABELED WITH WARNING LABEL TO INDICATE ASBESTOS AND CANCER AND LUNG DISEASE HAZARD.

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

HCC:T6

Spec Gravity:1.6 - 3.7

Solubility in Water:INSOLUBLE

Appearance and Odo

r:LIGHT TAN TO DARK GREY SOLID - NO ODOR

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

Stability Indicator/Materials to Avoid: YES

NONE KNOWN.

Stability Condition to Avoid: NONE KNOWN

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE

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

Waste Disposal Methods: WASTE SHOULD BE CONTAINED IN IMPERMEABLE BAGS,  
Labeled and disposed in accordance with all local, state and  
federal regulations.

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