

ABEX CORP FRICTION PRODUCTS GROUP -- NON-ASBESTOS BRAKE LININGS -- 2530-01-109-3070

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

Product ID:NON-ASBESTOS BRAKE LININGS

MSDS Date:06/14/1990

FSC:2530

NIIN:01-109-3070

MSDS Number: BPJJB

=== Responsible Party ===

Company Name:ABEX CORP FRICTION PRODUCTS GROUP

Address:2610 PAPER MILL RD

Box:3250

City:WINCHESTER

State:VA

ZIP:22601-3250

Country:US

Info Phone Num:70

3-662-3871

Emergency Phone Num:703-662-3842

Preparer's Name:M K LEUNG

CAGE:85117

=== Contractor Identification ===

Company Name:ABEX CORP FRICTION PRODUCTS GROUP

Address:2610 PAPER MILL RD

Box:3250

City:WINCHESTER

State:VA

ZIP:22601-3250

Country:US

Phone:703-665-2270

CAGE:85117

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

Ingred Name:GLASS FIBERS

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 MG/M3(TOTAL DUST)

ACGIH TLV:10 MG/M3 (DUST)

Ingred Name:SILICA, CRYSTALLINE -

TRIPOLI
CAS:1317-95-9
RTECS #:VV7336000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE TABLE Z3
ACGIH TLV:0.1 MG/M3 RDUST;9293

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:PHENOLIC COMPOUND/PHENOLIC AND ELASTOMER COMPOUNDS
Other REC Limits:NONE RECOMMENDED
OSHA PEL:19.0 MG/M3 (MFR)
ACGIH TLV:19.0 MG/M3 (MFR)

Ingred Name:PHENOLIC RESIN
Other REC Limits:NONE RECOMMENDED

Ingred Name:IRON,ZINC,
ALUMINUM,BRASS AND THEIR OXIDES
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG/M3 (MFR)
ACGIH TLV:10 MG/M3 (MFR)

Ingred Name:WOOD FLOUR
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1.0 MG/M3
ACGIH TLV:1.0 MG/M3

Ingred Name:IRON, ZINC, ALUMINUM & THEIR OXIDES
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG/M3 RDUST
ACGIH TLV:10 MG/M3 RDUST

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:N

TP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:SOME PERSONS MAY BE SENSITIVE TO CASHEW RESINS AND DEVELOP DERMATITIS-TYPE PROBLEMS. DUST OF GLASS FIBER, SILICA, TALC, GRAPHITE, CARBON BLACK, AND COAL CAN PRODUCE PNEUMOCONIOSIS AND OTHER LUNG DAMAGE. METAL DUSTS CAN BE IRRITANTS OF THE EYES AND UPPER RESPIRATORY SYSTEM.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:CASHEW RESINS-SKIN ERUPTIONS SIMILAR IN APPEARANCE TO POISON IVY. PNEUMOCONIOSIS-COUGHING, WHEEZING, SHORTNESS OF BREATH, IMPAIRED PULMONARY FUNCTION. DUST IN EYE MAY CAUSE IRRITATION. GASTROINTESTINAL DISTURBANCES POSSIBLE FROM INGESTION.GLASS FIBER MAY CREATE TRANSIENT MECHANICAL IRRITATION OF THE SKIN.

Medical Condition Aggravated by Exposure:PEOPLE WITH HIGHLY SENSITIVE SKIN MAY DEVELOP A RASH. PERSONS WHO SMOKE OR HAVE A RESPIRATORY DISEASE MAY BE AT GREATER RISK WHEN EXPOSED TO DUST.

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

First Aid:SHOULD NOT BE NECESSARY DURING NORMAL HANDLING PROCEDURES.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:WATER. EXTINGUISHER CLASS A, B, AND C.

Fire Fighting Procedures:USE POSITIVE PRESSURE, SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NONE

===== Accidental

Release Measures =====

Spill Release Procedures:AVOID CREATING DUST. AVOID SWEEPING OR OTHERWISE GENERATING AIRBORNE PARTICULATE. USE APPROVED VACUUM METHODS. USE WET METHODS FOR CLEANING OR REMOVING DUST FROM DRUMS. DO NOT USE COMPRESSED AIR. AVOID BREATHING DUST. USE RESPIRATOR FOR AIRBORNE DUST

Neutralizing Agent:NONE

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

Handling and Storage Precautions:AVOID CREATING EXCESSIVE DUST. USE D

UST COLLECTION IF GRINDING, DRILLING OR ALTERING PRODUCT IN ANY WAY.

Other Precautions:PROTECTIVE CREAMS AND SLEEVES MAY BE NECESSARY FOR EMPLOYEES WITH SENSITIVE SKIN. CLEAN UP USING SOAP AND WATER PRIOR TO EATING. WASH CLOTHING SEPARATELY.

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

Respiratory Protection:NIOSH APPROVED FOR PNEUMOCONIOSIS AND FIBROSIS PRODUCING DUSTS WITH TLV'S NOT LESS THAN 0.05 MG/M3. SUCH AS 3M 8710. FOLLOW RESPIRATOR STANDARD 1

910.34

Ventilation:LOCAL EXHAUST IS RECOMMENDED TO MEET PEL/TLV IN SITUATIONS WHERE DUST IS GENERATED BY ABRASIVE ACTIONS.

Protective Gloves:RECOMMENDED

Eye Protection:OSHA APPROVED SAFETY GLASSES

Other Protective Equipment:PROTECTIVE SLEEVES AND CREAMS FOR PERSONS WITH SENSITIVE SKIN.

Work Hygienic Practices:CLEAN UP USING SOAP AND WATER PRIOR TO EATING. WASH CLOTHING SEPARATELY.

Supplemental Safety and Health

RECOMMEND MONITORING TO DETERMINE DUST & FIBER LIMITS IN ACCORDANCE W

ITH OSHA RECOMMENDED GUIDELINES. WORK AREAS SHOULD BE KEPT CLEAN & FREE FROM AIRBORNE DUST THROUGH ADEQUATE DUST COLLECTION & PROPE R VENTILATION. THIS IS A RESIN BONDED PRODUCT WHICH DOES NOT CONTAIN ASBESTOS & MEETS OSHA'S DEFINITION OF AN ARTICLE.

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

HCC:N1

Spec Gravity:1.5-3.5

Evaporation Rate & Reference:0

Solubility in Water:NEGLIGIBLE

Appearance and Odor:DARK GRAY COLOR - SLIGHT SOUR ODOR

Percent Volatiles

by Volume:NONE

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

Stability Indicator/Materials to Avoid:YES

NONE KNOWN

Hazardous Decomposition Products:NONE KNOWN

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

Waste Disposal Methods:FOLLOW LOCAL, STATE AND FEDERAL REGULATIONS. PROPERLY MARK ALL CONTAINERS WITH APPROPRIATE LABELING AND DISPOSE IN LANDFILL IN COMPLIANCE WITH REGULATIONS.

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ng agencies):

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