

TENNECO HEAVY BRAKE LTD. -- UNKNOWN -- 2530-01-018-4817

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

MSDS Date:11/14/1985

FSC:2530

NIIN:01-018-4817

MSDS Number: BPWYH

=== Responsible Party ===

Company Name:TENNECO HEAVY BRAKE LTD.

Address:250 DONEY CRESCENT

City:CONCORD,ONTARIO,CANADA L4K 3A8

Country:US

Info Phone Num:416-665-0169

Emergency Phone Num:416-213-7169

Preparer's Name:A.FRASER

CAGE:MO564

=== Cont

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Box:City:CONCORD, ONTARIO

State:ON

Country:CN

Phone:416-213-7169

CAGE:41075

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

Ingred Name:GLASS AND OTHER FIBERS

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3

ACGIH TLV:10 MG/M3

Ingre

d Name:SILICA, AMORPHOUS, DIATOMACEOUS EARTH, CONTAINING LESS THAN
1% CRYSTALLINE SILICA
CAS:61790-53-2
RTECS #:HL8600000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:20 MPPCF
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:SILICATES
Other REC Limits:NONE RECOMMENDED

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: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

Ingred Name:COAL DUST (GREATER THAN OR EQUAL TO 5% SILICA)
RTECS #:GF8281000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1 MG/M3 RESP.FRACT
ACGIH TLV:2 MG/M3 RESP.FRACT.

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

Ingred Name:IRON
CAS:65996-67-0
Other REC Limits:NONE RECOMMENDED

Ingred Name:IRON OXIDE
CAS:1309-37-1
RTECS #:NO7400000
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; 9
293

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

Ingred Name:BRASS
Other REC Limits:NONE RECOMMENDED

Ingred Name:PHENOLIC AND CASHEW RESINS
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3
ACGIH TLV:5 MG/M3

Ingred Name:FLUORIDES
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2.5 MG/M3
ACGIH TLV:2.5 MG/M3

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcino

genicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and

Chronic:SKIN:IRRITANT.EYES:IRRITANT.INHAL:IRRITANT.INGEST:POSSIBLE
GI DISTURBANCES.CHRONIC-THE EVIDENCE TO SUPPORT A CONNECTION
BETWEEN FIBROUS GLASS INSULATION AND PULMONARY DISEASE IS
INCONCLUSIVE;ONE STUDY WHERE FINE GLASS FIBERS WERE PLACED IN THE
TRACHEA OF HAMSTER,REPORTED CANCER.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS AT 0.1% OF
GREATER WHICH ARE CONFIRMED OR SUSPECTED CARCINOGENS.

Effects

of Overexposure:BRAKE DUST MAY CAUSE EYE,SKIN,UPPER RESPIRATORY
IRRITATION.[SKIN]CASHEW RESIN MAY CAUSE A POISON IVY-LIKE
RASH.[INHAL]PNEUMOCONIOSIS-COUGHING,WHEEZING,SHORTNESS OF BREATH.

Medical Cond Aggravated by Exposure:PERSONS WITH SENSITIVE SKIN(CASHEW
RESINS);PERSONS WITH KNOWN RESPIRATORY AILMENTS MAY BE AT INCREASED
RISK.

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

First Aid:NOT NESCESSARY FOR NORMAL HANDLING.[FOR DUST]EYES:FLUSH WITH
WATE
R.CALL PHYSICIAN.SKIN:WASH WITH SOAP AND WATER.REMOVE
CONTAMINATED CLOTHING.CALL PHYSICIAN IF IRRITATION
PERSISTS.INGEST:UNLIKELY TO OC CUR.INHAL:REMOVE FROM EXPOSURE.CALL
PHYSICIAN.

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

Extinguishing Media:CO2,WATER,FOAM,DRY CHEMICALS.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS WHEN
FIGHTING A CHEMICAL FIRE.

Unusual Fire/Explosion Hazard:MANUFACTURER STATES NONE KNOWN.

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Accidental Release Measures =====

Spill Release Procedures:AVOID CREATING DUST.USE A VACUUM WITH A HEPA
FILTER OR WET CLEAN.PLACE IN AN APPROPRIATE CONTAINER FOR DISPOSAL.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:DO NOT STIR UP DUST.KEEP PRODUCT IN
THEIR SEALED BAGS UNTIL USE.IF CONDITIONS ARE DUSTY, USE PROPER
RESPIRATORY PROTECTION.

Other Precautions:NONE.

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Exposure Controls/Personal Protection =====

Respiratory Protection:USE A NIOSH/MSHA APPROVED RESPIRATOR FOR
PNEUMOCONIOSIS-FIBROSIS DUST(WHICH HAVE TLV