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Product ID:BRAKE LININGS CONTAINING ASBESTOS MSDS Date:07/24/1989 FSC:2530 NIIN:01-017-0616 MSDS Number: BPJGT === Responsible Party === Company Name: ROCKWELL INTERNATIONAL CORP GOVERNMENT PRODUCTS Address:2135 W MAPLE RD City:TROY State:MI ZIP:48084-7121 Coun try:US Emergency Phone Num:313-435-1688 CAGE:78500 === Contractor Identification === Company Name: MERITOR HEAVY VEHICLE SYSTEMS LLC Address:2135 W MAPLE RD Box:City:TROY State:MI ZIP:48084 Country:US Phone:248-435-8207 CAGE:78500

Ingred Name:ASBESTOS, CHRYSOTILE/ASBESTOS (CHRYSOLITE), TALC 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:SILI

CA, 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 (GRAPHITE, COAL, COKE) 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 RESIN (ISOPRENE OR CASHEW) Other REC Limits:NONE RECOMMENDED OSHA PEL:5.0 MG/M3 (MFR) ACGIH TLV:5.0 MG/M3 (MFR)

Ingred Name:WOOD FLOUR/WOOD FLOUR AND OTHER FILLERS Other RE C Limits:NONE RECOMMENDED ACGIH TLV:1.0 MG/M3 (MFR)

Ingred Name:IRON, ZINC, ALUMINUM, MAGNESIUM, AND THEIR OXIDES Other REC Limits:NONE RECOMMENDED OSHA PEL:5.0 MG/M3 RDUST(MFR) ACGIH TLV:5.0 MG/M3 RDUST(MFR)

Ingred Name:COPPER OXIDE CAS:1317-39-1 RTECS #:GL8050000 Other REC Limits:NONE RECOMMENDED OSHA PEL:0.1 MG/M3 AS (CU) ACGIH TLV:0.1 MG/M3 AS (CU)

Ingred Name:CALCIUM CARBONATE (MARBLE) (LIMESTONE) CAS:1317-65-3 RTECS #:EV9580000 Other REC Limits:NONE RECOMMENDED OSHA PEL:15 MG/M3 TDUST A CGIH TLV:10 MG/M3 TDUST; 9293

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

Ingred Name:RUBBER Other REC Limits:NONE RECOMMENDED

Ingred Name:BARIUM COMPOUNDS Other REC Limits:NONE RECOMMENDED OSHA PEL:0.5 MG/M3 AS BA ACGIH TLV:0.5 MG/M3 AS BA

LD50 LC50 Mixture:TLV FOR ASBESTOS FIBERS 2 FIBER/CC Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO Reports of C arcinogenicity:NTP:YES IARC:YES OSHA:YES Health Hazards Acute and Chronic:ACUTE AND CHRONIC- MAY CAUSE EYE, SKIN AND/OR UPPER RESPIRATORY TRACT IRRITATION. SOME SENSITIVE PERSONS MAY DEVELOP DERMATITIS. BREATHING OF ASBESTOS FIBERS MAY PRODUCE IRREVERSIBLE LUNG DISEASE AND CANCER. EFFECTS OF EXPOSURE MAY NOT BE IMMEDIATELY EVIDENT. INGESTION OF DUST MAY BE HARMFUL.

Explanation of Carcinogenicity:CONTAINS ASBESTOS.

Effects of Overexposure:SYMPTOMS OF ASBESTOSIS, PNEUMOCONIOS IS & LUNG

CANCER INCLUDE SHORTNESS OF BREATH, DRY COUGH, FATIGUE ON EXERCISE, CHEST PAINS, CHEST TIGHTNESS, CLUBBING OF FINGERS. SYMPTOMS USUALLY MANIFEST AFTER 15-20 YEARS. OTHER SIGNS MAY BE DISCOVERED BY TRAINED MEDICAL PERSONNEL USING X-RAYS, PULMONARY FUNCTION TESTS ETC..

Medical Cond Aggravated by Exposure:PERSONS WITH IMPAIRED RESPIRATORY FUNCTION, WILSON'S DISEASE (FROM COPPER EXPOSURE) MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

First Aid:GET MEDICAL ATTENTION IF NEEDED. SKIN:WASH WITH SOAP & WATER. EYE:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR. PROVIDE OXYGEN/CPR IF NEEDED. ORAL:RINSE MOUTH WIT H WATER. CALL A PHYSICIAN.

Flash Point:NONE

Extinguishing Media:WATER OR CLASS A, B OR C EXTINGUISHER Fire Fighting Procedures:WEAR NIOSH-APPROVED SELF-C ONTAINED BREATHING APPARATUS. Unusual Fire/Explosion Hazard:BURNING MAY PRODUCE AIRBORNE FIBERS OR PARTICULATE.

Spill Release Procedures: VACUUM FIBERS AND DUSTS, CAREFULLY, AVOIDING DUSTING. IF SWEEPING IS USED, CONTROL DUST BY WETTING AND USE APPROPRIATE DUST MASK. VACUUMING WITH A HEPA FILTERED VACUUM IS PREFERRED. DO NOT USE COMPRES SED AIR FOR CLEANING. WEAR RESPIRATOR IF NEEDED.

 Handling and Storage Precautions:STORAGE AND HANDLING- AVOID CREATING OR BREATHING DUST. AVOID SCRAPING OR SCRATCHING BRAKE LININGS.
Other Precautions:EXPOSURE LEVELS TO DUST CONTAINING ASBESTOS FIBERS SHOULD BE MONITORED IN ACCORDANCE WITH OSHA REGULATIONS 29 CFR 1910,1001.SMOKING WILL INCREASE RISK FROM ASBESTOS EXPOSURE.THOSE WORKING WITH PRODUCT S CONTAINING ASBESTOS SHOULD NOT SMOKE.

======== Exposure Controls/Persona

| Protection =========

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF DUSTS OR FIBERS PRESENT, A NIOSH-APPROVED DUST RESPIRATOR IS RECOMMENDED. IF CONCENTRATION EXCEEDS CAPACITY OF RESPIRATOR, USE SELF-CONTAI NED BREATHING APPARATUS. Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S). Protective Gloves:RUBBER RECOMMENDED Eye Protection:SAFETY GOGGLES Other Protective Equipment:EYE WASH ST ATION, QUICK DRENCH SHOWER AND IMPERVIOUS CLOTHING Work Hygienic Practices:KEEP WORK AREA CLEAN OF ASBESTOS DUST. Supplemental Safety and Health

HCC:T6 Spec Gravity:1.6 - 3.0 Evaporation Rate & amp; Reference:0 (N-BUTYL ACETATE=1) Solubility in Water:INSOLUBLE Appearance and Odor:SOLID, LIGHT TAN TO DARK GREY IN COLOR

Stability Indicator/Materials to Avo

id:YES STRONG OXIDIZING AGENTS Stability Condition to Avoid:AVOID CREATING AND BREATHING DUST. Hazardous Decomposition Products:UNBOUND ASBESTOS FIBERS MAY BE RELEASED ALONG WITH TOXIC FUMES.

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

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