

COOPER INDUSTRIES INC WAGNER BRAKE DIV -- WEB263 BRAKE SHOE AND LINING ASSEMBLY --
2530-01-147-6825

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

Product ID:WEB263 BRAKE SHOE AND LINING ASSEMBLY
MSDS Date:07/01/1992
FSC:2530
NIIN:01-147-6825
MSDS Number: BPXGJ
=== Responsible Party ===
Company Name:COOPER INDUSTRIES INC WAGNER BRAKE DIV
Address:3700 FOREST PARK BLVD
City:ST LOUIS
State:MO
ZIP:63018
Country:US
Info Phone Num:314-537-8700
Emergency Phone Num:314-537-8700
CAGE:01957
=== Contractor Identification ===
Company Name:COOPER INDUSTRIES INC
Address:16500 SOUTH MAIN
Box:419
City:MISSOURI CITY
State:TX
ZIP:77459
Country:US
Phone:713-499-8511
CAGE:01957
Company Name:FEDERAL MOGUL CORP /SUB WAGNER BRAKE
Address:6565 WELLS AVE
Box:7224
City:SAINT LOUIS
State:MO
ZIP:63177
Country:US
Phone:800-323-5473
CAGE:63477

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

Ingred Name:ASB

ESTOS, CHRYSOTILE
CAS:12001-29-5
RTECS #:CI6478500
Other REC Limits:0.1 FIBER/CC ACTION
OSHA PEL:0.2 FIBERS/CC
ACGIH TLV:2 FIBERS/CC; A1;9293

Ingred Name:TALC (CONTAINING ASBESTOS)
CAS:14807-96-6
RTECS #:MW2700000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.2 FIBERS/CC
ACGIH TLV:0.2 FIBERS/CC; 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:GRAPHITE, NATURAL
CAS:7
782-42-5
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: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:IRON OXIDE
CAS:1309-37-1
RTECS #:NO7400000
Other REC Limits:NON

E RECOMMENDED
OSHA PEL:10 MG/M3 (FE)
ACGIH TLV:5 MG/M3(FE),B2; 9293

Ingred Name:ALUMINUM OXIDE
CAS:1344-28-1
RTECS #:BD1200000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:ACUTE:MINOR EYS/SKIN IRRITATION.
INGESTION- IRRITATION OF GI T
RACT. INHALATION-IRRITATION OF
RESPIRATORY TRACT. CHRONIC: ASBESTOSIS, LUNG CANCER, &
MESOTHELIOMA, ALL OF WHICH ARE DISABLING AND FATAL D ISEASES OF THE
LUNG. INHALATION AND INGESTION OF ASBESTOS FIBERS MAY CAUSE CANCER
OF THE BOWEL.
Explanation of Carcinogenicity:ASBESTOS IS A KNOWN HUMAN CARCINOGEN.
Effects of Overexposure:INHALATION: FATIGUE AND SHORTNESS OF BREATH
THAT GETS WORSE WITH TIME AND EVENTUALLY BECOMES DISABLING. EYES:
IRRITATION. SKIN: IRRITATION. INGESTIO
N: MILD STOMACH DISTRESS.
DIARRHEA, VOMITING, AND NA USEA.
Medical Cond Aggravated by Exposure:ASTHMA, EMPHYSEMA, AND TUBERCULOSIS
ARE ALL GENERALLY AGGRAVATED BY EXPOSURE TO ASBESTOS FIBERS.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. SEE DOCTOR. EYES: RINSE
THOROUGHLY WITH WATER FOR 15 MINUTES. SEE DOCTOR. SKIN: WASH
THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEE DOCTOR.
INGESTION: DIL UTE WI
TH WATER. DO NOT INDUCE VOMITING.SEE DOCTOR.

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

Flash Point:NOT REQUIRED
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY
CHEMICAL.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE
HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

===== Accidental Release M

asures =====

Spill Release Procedures:VACUUM THE MATERIAL WITH A HEPA FILTERED VACUUM. THE EQUIPMENT SHALL BE USED & EMPTIED SO AS TO MINIMIZE THE RE-ENTRY OF ASBESTOS INTO THE WORKPLACE. OTHERWISE, WET THE MATERIAL WITH WATER & SURFACTAN T AND THEN SHOVEL OR MOP UP CONTAMINATION.

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

Handling and Storage Precautions:ITEM IS NONFRIABLE & WILL NOT SHED FIBERS IN NORMAL USE AND STORAGE. USED ITEMS SHALL BE WETTED BEFORE, DURING & AFTER DISASSEMBLY.

Other Precautions:IF IT IS NECESSARY TO CUT OR IMPACT THE ITEM WHILE INSTALLING IT, WEAR A RESPIRATOR AND PROTECTIVE CLOTHING. USED ITEMS SHALL BE IDENTIFIED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDE RAL REGULATIONS.

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

Respiratory Protection:WEAR A NIOSH/MSHA APPROVED HEPA RESPIRATOR IF REQUIRED. WEAR SELF-CONTAINED BREATHING APPARATUS IF REQUIRED FOR HIGH LEVELS OF CONTAMINATES.

Ventilation:LOCAL EXHAUST SUFFICIENT TO ENTRAIN ALL PARTICULATE EMISSIONS. HEPA FILTER REQUIRED. NO LEAKS ON PRESSURE SIDE OF FAN.

Protective Gloves:COTTON OR LEATHER

Eye Protection:SAFETY GLASSES OR GOGGLES

Other Protective Equipment:USE COVERALLS OR DISPOSABLE CLOTHING.

Work Hygienic Practices:WET WORK TO THE DEGREE POSSIBLE. WASH HANDS AFTER HANDLING ITEM. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health

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

HCC:T6

Spec Gravity:1.6-3.7

Evaporation Rate & Reference:0 (N-BUTYL ACETATE=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:11.031 IN X 2.250 IN; BRAKE PAD; SOILD, ODORLESS, LIGHT TAN TO GREY COLOR

Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES
NONE KNOWN

Stability Condition to Avoid:NONE KNOWN

Hazardous Decomposition Product

s:INCOMPLETE COMBUSTION MAY RELEASE
TOXIC MATERIALS.

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

Waste Disposal Methods:WET THE MATERIAL WITH WATER AND SURFACTANT.
PLACE IN 6 MIL THICK POLYETHYLENE PLASTIC BAG. PLACE THESE BAGS
INTO ANOTHER POLY BAG OR A SAFE PLACE UNTIL IT CAN BE SHIPPED TO AN
APPROVED DISPOSAL SITE. IDENTIFY WITH ASBESTOS CANCER WARNING
LABEL.

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