

ALLIED-SIGNAL CORP -- BRAKE SHOES, PART#:318647 -- 1630-01-282-3489

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

Product ID:BRAKE SHOES, PART#:318647

MSDS Date:03/29/1993

FSC:1630

NIIN:01-282-3489

MSDS Number: BTTBG

=== Responsible Party ===

Company Name:ALLIED-SIGNAL CORP

Address:900 W. MAPLE ROAD

City:TROY

State:MI

ZIP:48084

Country:US

Info Phone Num:313-362-7196

Emergency Phone Num:313-362-7196

CAGE:0W35

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=== Contractor Identification ===

Company Name:PDI GROUND SUPPORT SYSTEMS INC

Address:5905 GRANT AVE

Box:City:CLEVELAND

State:OH

ZIP:44105

Country:US

Phone:216-271-7344

CAGE:0W357

Company Name:SEYER INDUSTRIES INC (314-946-1770)

CAGE:19494

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

Ingred Name:ASBESTOS, CHRYSOTILE (SARA III)

CAS:12001-29-5

RTECS #:CI6478500

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.2 FIBERS/CC

ACGIH TLV:2 FIBERS/CC; A1;9394

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== 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 TRACT. 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 CARCINOGEN.  
Effects of Overexposure:INHALATION: FATIGUE AND SHORTNESS OF BREATH  
THAT GETS WORSE WITH TIME AND EVENTUALLY BECOMES DISABLING. EYES:  
IRRITATION. SKIN: IRRITATION. INGESTION: 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 Measure

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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 WITH 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 Measures =====

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 & SURFACTANT 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 A  
CCORDANCE 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 GLA  
SSES 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

MSDS GENERATED BY HMIS TECHNICIAN. MANUFACTURER SEYER INDUSTRIES STATES  
MSDS FOR ITEM REQUESTED IS NOT AVAILABLE BECAUSE THE ITEM WAS  
DISCONTINUED; REPLACED BY ITEM MFG BY ALLIED-SIGNAL CORP.

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

HCC:T6  
Solubility in Water:INSOLUBLE  
Appearance and Odor:SOLID  
Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS, STRONG MINERAL ACIDS, AND STRONG ALKALIS  
Stability Condition to Avoid:ACCUMULATIONS OF DUST  
Hazardous Decomposition Products:ASBESTOS DUST

===== 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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