

ALLIED SIGNAL AUTOMOTIVE OF CANADA -- ORGANIC DISC PAD -- 2530-01-003-5190

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

Product ID:ORGANIC DISC PAD

MSDS Date:11/30/1988

FSC:2530

NIIN:01-003-5190

MSDS Number: BNWQS

=== Responsible Party ===

Company Name:ALLIED SIGNAL AUTOMOTIVE OF CANADA

Address:7311 KIMBEL STREET

City:MISSISSAUGA

State:ON

Country:CA

Info Phone Num:416-671-3700 EXT. 260

Emergency Phone Num:4

16-671-3700 EXT. 260

Preparer's Name:TIM CURTIS

CAGE:08472

=== Contractor Identification ===

Company Name:ALLIED-SIGNAL AUTOMOTIVE OF CANADA INC

Address:305 ROMEO ST S

Box:F

City:STRATFORD N5A 6V4

State:ON

Country:CA

Phone:519-271-3470

CAGE:08472

Company Name:WHEELER BROTHERS INC

Address:INDUSTRIAL PARK, DRUM AVE

Box:737

City:SOMERSET

State:PA

ZIP:15501-2136

Country:US

Phone:814-445-9641

CAGE:2B144

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

Ingred Name:ASBESTOS (FRIAB)

LE) (SARA III)  
CAS:1332-21-4  
RTECS #:CI6425000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.2 FIBERS/CC  
ACGIH TLV:2.0 FIBERS/CC  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:CHROMIUM OXIDE  
CAS:1308-38-9  
RTECS #:GB6475000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C, 0.1 MG/M3  
ACGIH TLV:0.05 MG/M3

Ingred Name:COPPER (SARA III)  
CAS:7440-50-8  
RTECS #:GL5325000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.1MG/M3 FUME/1 DUST  
ACGIH TLV:0.2MG/M3 FUME; 9293  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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: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:ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS  
FORMS) (SARA III)  
CAS:1344-28-1  
RTECS #:BD1200000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingrd Name:MICA - SILICATES (< 1% CRYSTALLINE SILICA)

CAS:12001-26-2

RTECS #:VV8760000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:20 MPPCF

ACGIH TLV:3 MG/M3 RDUST; 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: PHENOLIC/CASHEW RESINS MAY CAUSE DERMATITIS. METAL DUSTS CAN IRRITATE EYES AND UPPER RESPIRATORY S

YSTEM. CHRONIC: ASBESTOS FIBERS FROM ABRASIVE ACTIONS MAY LEAD TO ASBESTOSIS AND MESOTHELIOMA. SMOKING COMBINED WITH FIBER INHALATION GREATLY INCREASES LUNG CANCER RISK.

Explanation of Carcinogenicity:ASBESTOS IS LISTED BY IARC, NTP AND OSHA. CHROMIUM IS LISTED BY IARC AND NTP.

Effects of Overexposure:INHALATION: UPPER RESPIRATORY SYSTEM IRRITATION, COUGHING, WHEEZING. SKIN: UNKNOWN. EYES: POTENTIAL IRRITATION FROM AIRBORNE DUST. INGESTION: UNKNOWN.

Medical Cond Aggravated b

y Exposure:INDIVIDUALS WITH PRE-EXISTING RESPIRATORY CONDITIONS, MAY BE MORE AT RISK FROM EXPOSURE.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. OBTAIN MEDICAL ADVICE. SKIN: WASH EXPOSED AREA WITH SOAP AND WATER. EYES: FLOOD WITH WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. INGESTION: DRINK WATER. DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN. OTHER: CHANGE CLOTHING AS REQUIRED TO AVOID CARRYING DUST P ARTICLES INTO OTHER AREAS.

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

Flash Point:NONE

Extinguishing Media:MATERIAL IS NOT FLAMMABLE ; USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:COMBUSTION PRODUCTS OF THIS MATERIAL MAY BE TOXIC. USE A SELF-CONTAINED BREATHING APPARATUS WHEN FIGHTING FIRES INVOLVING CHEMCIAL PRODUCTS.

Unusual Fire/Explosion Hazard:NONE KNOWN

=====  
===== Accidental Release Measures =====

Spill Release Procedures:USE PROPER PERSONAL PROTECTION. VACUUM OR WET CLEAN IF DUST IS INVOLVED. ANY VACUUM SYSTEM SHOULD BE EQUIPPED WITH AN OUTLET "HEPA" FILTER TO PREVENT REINTRODUCING ASBESTOS FIBERS TO THE ATMOSPHERE.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:HANDLE IN A MANNER TO MINIMIZE FORMATION OR RETENTION OF AIRBORNE DUST. USE PROPER PERSONAL PROTECTION FOR TASK AT HAND

D. CHECK W/YOUR SAFETY OFFICE!!!

Other Precautions:AS MANUFACTURED, LOCKED-IN ASBESTOS DOES NOT PRESENT A HAZARD. ONLY WHEN THE ITEM IS SUBJECTED TO ABRASIVE ACTIONS & DUST IS GENERATED, THEN ASBESTOS FIBERS MAY BE RELEASED AND BECOME AIRBORNE.

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

Respiratory Protection:IF EXPOSURES EXCEED ESTABLISHED LIMITS, A NIOSH/MSHA APPROVED RESPIRATOR FOR ASBESTOS SHOULD BE USED. CONSULT YOUR SAFETY OFFICE/INDUSTRIAL H

YGIENIST PERSONNEL FOR GUIDANCE FOR THE TASK AT HAND.

Ventilation:LOCAL EXHAUST IS RECOMMENDED IN SITUATIONS WHERE DUST IS GENERATED BY ABRASIVE ACTIONS, ABRASION OR OTHER MEANS.

Protective Gloves:AS REQUIRED FOR TASK AT HAND.

Eye Protection:SAFETY GLASSES W/SIDE SHIELDS OR GOGGLES

Other Protective Equipment:AS REQUIRED FOR TASK AT HAND, AND THE GUIDANCE SET FORTH BY YOUR SAFETY OFFICE OR INDUSTRIAL HYGIENIST PERSONNEL.

Work Hygienic Practices:DO NOT INHALE DUST CREATED BY ABRADING ACTIONS.

USE FULL PROTECTION AGAINST AIRBORNE FIBERS.AVOID AIRBORNE DUST CREATION

Supplemental Safety and Health

NONE.

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

HCC:T6

Evaporation Rate & Reference:NONE

Solubility in Water:NOT SOLUBLE

Appearance and Odor:BRAKE SHOE

Percent Volatiles by Volume:NONE

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

Stability Indicator/Materials to Avoid:YES

NONE KNOWN

Stability Condition to Avoid:NONE

KNOWN

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

Waste Disposal Methods: DUST SHOULD BE HANDLED AS A HAZARDOUS AIR POLLUTANT I/A/W 40CFR61 SUBPART "M" PERTAINING TO ASBESTOS. USE LANDFILLS APPROVED FOR ASBESTOS DISPOSAL. NOTE IF ITEM UNDER CONSIDERATION FOR DISPOSAL IS "FRIABLE OR NON-FRIABLE".

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.