

GENERAL MOTORS CORP DELCO MORAIN DIV -- INLAND 4050 BRAKE LINING DM-5504 --  
2530-01-025-7716

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

Product ID:INLAND 4050 BRAKE LINING DM-5504

MSDS Date:08/10/1990

FSC:2530

NIIN:01-025-7716

MSDS Number: BPYKJ

=== Responsible Party ===

Company Name:GENERAL MOTORS CORP DELCO MORAIN DIV

Address:1420 WISCONSIN BLVD

Box:1245

City:DAYTON

State:OH

ZIP:45401

Country:US

Info

Phone Num:513-227-6240

Emergency Phone Num:513-227-6240

Preparer's Name:JAMES L. STUKENBORG

CAGE:11862

=== Contractor Identification ===

Company Name:GENERAL MOTORS CORP CHEVROLET MOTOR DIV

Address:30007 VAN DYKE

Box:City:WARREN

State:MI

ZIP:48090

Country:US

CAGE:11862

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

Ingred Name:ASBESTOS (FRIABLE) (SARA III)

CAS:1332-21-4

RTECS #:CI6425000

Fraction by Wt: 50% %

Other REC Limits:NONE RECOMMENDED

OSHA PEL:SEE 1910.1001

ACGIH

TLV:0.2 - 2 FIBERS/CC

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:CASHEW NUT SHELL OIL

CAS:8007-24-7

Fraction by Wt: 25% %

Other REC Limits:NONE RECOMMENDED

Ingred Name:INERT FILLERS CAS NUMBER 989923-32-3

Fraction by Wt: 30% %

Other REC Limits:NONE RECOMMENDED

Ingred Name:CASHEW NUT SHELL FRICTION PARTICLE CAS 989940-99-2

Fraction by Wt: 5% %

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NOT SPECIFIED BY MANUFACTURER.

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

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:PRIMARY HAZARD DUE TO RELEASE OF ASBESTOS FIBERS. ASBESTOS FIBERS HAVE BEEN SHOWN TO CAUSE ASBESTOSIS, A LUNG DISEASE, AND CANCER. PRODUCT AS SHIPPED/STORED IS NOT A HAZARD. HAZARD OCCURS WHEN PRODUCT IS DAMAGED, RELEASING ASBESTOS FIBERS TO ATMOSPHERE.

Explanation of Carcinogenicity:ASBESTOS FIBERS HAVE BEEN SHOWN TO BE A HUMAN

AN CARCINOGEN.

Effects of Overexposure:MECHANICAL EYE IRRITATION, CHRONIC EXPOSURE MAY LEAD TO LUNG DISEASE/CANCER OF THE LUNG.

Medical Cond Aggravated by Exposure:PRE-EXISTING RESPIRATORY CONDITIONS MAY BE AGGRAVATED BY EXPOSURE TO ASBESTOS FIBERS.

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

First Aid:AVOID EXPOSURE TO ASBESTOS FIBERS. IF EYE CONTACT OCCURS, FLUSH WITH WATER FOR 15 MINUTES. CONTACT A PHYSICIAN IF IRRITATION PERSISTS.

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

Flash Point:NONFLAMMABLE

Lower Limits:NONE

Upper Limits:NONE

Extinguishing Media:NONFLAMMABLE. USE MEDIA SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE.

Unusual Fire/Explosion Hazard:FIRE AND/OR PHYSICAL DAMAGE MAY RESULT IN THE RELEASE OF ASBESTOS FIBERS INTO THE AIR.

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

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Spill Release Procedures:PROPER PERSONAL PROTECTIVE EQUIPMENT SHOULD BE WORN DURING CLEANUP. WET METHODS SHOULD BE USED TO MINIMIZE DUST GENERATION. AVOID PHYSICAL DAMAGE/ABRASION TO PRODUCT.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID CUTTING, GRINDING, SANDING, PHYSICAL DAMAGE TO PRODUCT

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH RESPIRATOR SELECTION.

Ventilation:LOCAL EXHAUST RECOMMENDED. IF EXPOSURE TO DUST IS ANTICIPATED, FOLLOW OSHA 1910.1001 SECTION (C)

Protective Gloves:NOT NORMALLY REQUIRED

Eye Protection:NOT NORMALLY REQUIRED

Other Protective Equipment:NOT NORMALLY REQUIRED

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

PRODUCT ONLY HAZARDOUS WHEN ASBESTOS FIBERS ARE RELEASED. AVOID PHYSICAL DAMAGE. IF FIBER RELEASE IS SUSPECTED, CONSULT SAFETY AND HEALTH PROFESSIONAL FOR PROPER ASBESTOS ABATEMENT PROCEDURES.

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

HCC:T6

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Te

xt:NOT GIVEN  
Vapor Pres:NOT GIVEN  
Vapor Density:NIL  
Spec Gravity:1.79-1.94  
Evaporation Rate & Reference:NIL  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:GREY-BLACK SOLID, CHARACTERISTIC ODOR  
Percent Volatiles by Volume:NIL

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

Stability Indicator/Materials to Avoid:YES  
NONE SPECIFIED BY MANUFACTURER.  
Stability Condition to Avoid:PHYSICAL DAMAGE  
Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE  
DURIN  
G COMBUSTION

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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