

GENERAL MOTORS CORP,DELCO MORAIN DIV -- DRUM BRAKE SHOE SET WITH LINING --  
2530-01-074-6358

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

Product ID:DRUM BRAKE SHOE SET WITH LINING

MSDS Date:10/08/1990

FSC:2530

NIIN:01-074-6358

MSDS Number: BMQMJ

=== 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 Ph

one 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:CURED PHENOLIC RESIN

CAS:989929-03-3

Fraction by Wt: 20%

OSHA PEL:15 MG/M3, (T-DUST)

ACGIH TLV:10 MG/M3,(TDUST)9192

Ingred Name:CASHEW NUT SHELL FRI

CTION PARTICLE  
CAS:989940-99-2  
Fraction by Wt: 10%  
OSHA PEL:15 MG/M3, (T-DUST)  
ACGIH TLV:10 MG/M3,(TDUST)9192

Ingred Name:INERT FILLERS  
CAS:989923-32-3  
Fraction by Wt: 50%  
OSHA PEL:15 MG/M3, (T-DUST)  
ACGIH TLV:10 MG/M3 (TDUST)9192

Ingred Name:NITRILE RUBBER  
CAS:989903-02-0  
Fraction by Wt: 10%

Ingred Name:CHOPPED STEEL WOOL FIBER  
CAS:989947-79-1  
Fraction by Wt: 50%  
OSHA PEL:15 MG/M3, (T-DUST)  
ACGIH TLV:10 MG/M3,(TDUST)9192

Ingred Name:STEEL POWDER  
CAS:989951-95-9  
Fraction by Wt: 50%  
OSHA PEL:  
15 MG/M3, (T-DUST)  
ACGIH TLV:10 MG/M3,(TDUST)9192

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:AVOID GENERATION OF DUSTS.  
OVEREXPOSURE MAY RESULT IN ADVERSE PULMONARY EFFECTS.  
Explanation of Carcinogenicity:THE MATERIALS IN THIS PRODUCT ARE NOT  
LISTED AS CARCINOGENIC BY NTP, IARC, OR OSHA.  
Effects of Overexposure:ADVERSE PULMONARY EFFECTS DUE TO OVEREXPOSURE  
TO NUISANCE DUSTS.  
Medical Cond Aggravated by Exposure:RESPIRATORY DISEASES.

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

First Aid:SHOULD NOT BE NECESSARY WITH REASONABLE HANDLING OF THIS  
PRODUCT.

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

Extinguishing Media:STANDARD A-B-C EXTINGUISHMENT.  
Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.  
Unusual Fire/Explosion Hazard:AS WITH ALL DUSTS, AVOID

DUST BUILD-UP.

POTENTIAL FOR EXPLOSION UNDER CERTAIN CONDITIONS.

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

Spill Release Procedures:GRINDING, DRILLING, MILLING, ETC. CAN RESULT IN THE RELEASE OF AIRBORNE DUST.

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

Handling and Storage Precautions:WHILE THESE LININGS ARE RESIN-BONDED PRODUCTS, SOME POTENTIAL FOR EXPOSURE TO NUISANCE DUST MAY EXIST DURING MACHINING AND HANDLING.

Other Precautions:

AVOID WET OR DAMP STORAGE THAT COULD RUST GROUND SURFACES. AVOID CREATING AND BREATHING DUST WHILE HANDLING BRAKE SHOE LINING.

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

Respiratory Protection:NONE SPECIFIED BY MANUFACTURER.

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION TO KEEP BELOW THE TLV FOR NUISANCE DUSTS.

Protective Gloves:PROTECTIVE LEATHER GLOVES

Eye Protection:GOGGLES OR FACE SHIELD DURING GRINDING.

Other Protective Equipment:USE GLOVES

OR HANDLING DUE TO SOME

PROTRUDING METAL FIBERS. SPARKS MAY BE PRODUCED UNDER SOME GRINDING CONDITIONS.

Work Hygienic Practices:STANDARD PERSONAL HYGIENE SHOULD BE PRACTICED BY EXPOSED WORKERS.

Supplemental Safety and Health

THIS MSDS IS BASED ON GENERAL MOTORS CORP'S MSDS FID-191580 DRUM LINING, PART NUMBER DM-5480. GMC CATALOGS THEIR BRAKE LINING BY FRICTION MATERIAL.

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

HCC:N1

Spec Gravity:2.25-2.60

Appear

ance and Odor:BLACK SOLID, CHARACTERISTIC ODOR.

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

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.  
DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL  
REGULATIONS.

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