

GENERAL MOTORS CORP,DELCO MORaine 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 MORaine 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: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 FRICTION PARTICLE

CAS:989940-99-2

Fraction by Wt: 10%

OSHA PEL:15 M

G/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.
Medic
al 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 CONDI

TIONS.

===== 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 FOR 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

Appearance 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.

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.