View NSN Online: https://aerobasegroup.kr/nsn/2530-01-331-2708

GENERAL MOTORS CORP DELCO MORAINE DIV -- METALLIC DISK BRAKE LINING COMPOUND -- 2530-01-331-2708

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

Product ID:METALLIC DISK BRAKE LINING COMPOUND

MSDS Date:11/02/1992

FSC:2530

NIIN:01-331-2708

MSDS Number: BTNBL === 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: GARRY J. HILL

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: MAGNESIUM OXIDE

CAS:1309-48-4

RTECS #:OM3850000 Fraction by Wt: < 10%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 MG/M3 PARTICULATE

ACGIH TLV:10

MG/M3, FUME; 9394

Ingred Name:TITANIUM(IV) OXIDE

CAS:1317-80-2

RTECS #:XR2275000 Fraction by Wt: < 5%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:10 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST 9091

Ingred Name:ALPHA-ALUMINA (ALUMINUM OXIDE) (SARA III)

CAS:1344-28-1

RTECS #:BD1200000 Fraction by Wt: < 5%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9394

Ingred Name: CARBON BLACK OR ACTIVATED CARBON

CAS:7440-44-0

RTECS #:FF5250100 Fraction by Wt: < 5%

Other REC L

imits:NONE RECOMMENDED OSHA PEL:15 MG/M3 TDUST ACGIH TLV:2 MG/M3 RDUST; 9394

Ingred Name: BARIUM SULFATE

CAS:7727-43-7

RTECS #:CR0600000 Fraction by Wt: < 10%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9394

Ingred Name: GRAPHITE (NATURAL)

CAS:7782-42-5

RTECS #:MD9659600 Fraction by Wt: < 25%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:15 MPPCF; Z-3

ACGIH TLV:2 MG/M3 RDUST; 9394

Ingred Name: PHENOL FORMALDEHYDE RESIN

CAS:9003-35-4

Fraction by Wt: < 10%

Othe

r REC Limits: NONE RECOMMENDED Ingred Name: RUBBER CAS:9006-04-6 Fraction by Wt: < 5% Other REC Limits: NONE RECOMMENDED Ingred Name:STEEL CAS:65997-19-5 Fraction by Wt: < 30% Other REC Limits: NONE RECOMMENDED Ingred Name:FRICTION PARTICLES Fraction by Wt: < 10% Other REC Limits: NONE RECOMMENDED Ingred Name:STEEL WOOL Fraction by Wt: 30-70% % Other REC Limits: NONE RECOMMENDED ============== Hazards Identification ======================= LD50 LC50 Mixture:TLV = 10 MG/M3 (NUISANCE DUSTS) Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:OVEREXPOSURE TO DUST MAY RESULT IN ADVERSE PULMONARY EFFECTS. Explanation of Carcinogenicity: THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS. Effects of Overexposure: RESPIRATORY IRRITATION, LUNG INJURY Medical Cond Aggravated by Exposure: PRE-EXISITNG RESPIRATORY AILMENTS MAY BE AGGRAVATED BY EXPOSURE. First Aid:INHALATION: REMOVE TO FRESH AIR. EYES: FLUSH WITH WATER. SEE PHYSICIAN IF IRRITATION CONTINUES. Flash Point: NONFLAMMABLE Lower Limits: NOT GIVEN Upper Limits:NOT GIVEN Extinguishing Media: NONFLAMMABLE. USE MEDIA SUITABLE FOR SURROUNDING

FIRE.

Fire Fighting Procedures: NONFLAMMABLE. USE PROCEDURES SUITABLE FOR

Unusual Fire/Explosion Hazard: AS WITH ALL DUSTS, AVOID BUILD-UP, POTENTIAL FOR EXPLOSION UNDER CERTAIN CONDITIONS.
======== Accidental Release Measures =========
Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER. Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.
=========== Handling and Storage ============
Handling and Storage Precautions:AVOID WET OR DAMP STORAGE THAT COULD RUST GROUND SURFACES.
Other Precauti ons:MAINTAIN GOOD HOUSEKEEPING PRACTICES. SPARKS MAY BE PRODUCED UNDER SOME GRINDING CONDITIONS.
====== Exposure Controls/Personal Protection ========
Respiratory Protection:NORMALLY NOT REQUIRED. Ventilation:LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION TO MAINTAIN EXPOSURE LEVELS. Protective Gloves:LEATHER
Eye Protection:SAFETY GLASSES Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER. Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING. Supplemental Safety and Health NONE SPECIFIED BY MANUFACTURER.
========= Physical/Chemical Properties ==========
HCC:N1 Boiling Pt:B.P. Text:NOT GIVEN Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN Vapor Pres:NOT GIVEN Vapor Density:NOT GIVEN Spec Gravity:2.6 - 3.54 Evaporation Rate & DIVEN Solubility in Water:NOT GIVEN Appearance and Odor:GREY BLACK SOLID, NO ODOR Percent Volatiles by Volume:NIL

======= Stabili

ER

ty and Reactivity Data =========

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

Waste Disposal Methods:DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL 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.