

FERODO LTD -- ZA1 FRICTION MATERIAL -- 3950-00-491-7225

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

Product ID:ZA1 FRICTION MATERIAL
MSDS Date:01/01/1987
FSC:3950
NIIN:00-491-7225
MSDS Number: BNQBD
=== Responsible Party ===
Company Name:FERODO LTD
Address:BURRFIELDS RD CHAPEL-EN-LE-FRITH
City:STOCKPORT CHES SK12 6JP
Country:UK
Info Phone Num:0286 672401
Emergency Phone Num:0298 812520
Preparer's Name:DGSC
-SSH
CAGE:U1538
=== Contractor Identification ===
Company Name:CHAMPION FRICTION CO
Address:845 MCKINLEY
Box:1459
City:EUGENE
State:OR
ZIP:97440
Country:US
Phone:503-687-8015
CAGE:1M860
Company Name:FERODO LTD
Address:BURRFIELDS RD CHAPEL-EN-LE-FRITH
Box:City:STOCKPORT CHES SK12 6JP
Country:UK
Phone:0286 672401
CAGE:U1538

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

Ingred Name:ASBESTOS, CHRYSOTILE
CAS:12001-29-5
RTECS #:CI6478500
Other REC Limits:NONE SPECIFIED
OSHA PE

L:0.2 FIBERS/CC

ACGIH TLV:2 FIBERS/CC; A1;9192

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===== 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: NO ACUTE EFFECTS ARE KNOWN;
CHRONIC: DUST CONTAIN ASBESTOS FIBERS. CHRONIC OVEREXPOSURE TO
AIRBORNE FIBERS MAY LEAD TO ASBESTOSIS AND MESOTHELIOMA. SMOKING
COMBINED WITH FIBER INHALATION GREATLY INCREASES LUNG CANCER
RISK!

Explanation of Carcinogenicity:OVEREXPOSURE TO AIRBORNE CONCENTRATIONS
OF ASBESTOS MAY LEAD TO ASBESTOSIS AND MESOTHELIOMA.

Effects of Overexposure:INHALATION: INHALATION OF AIRBORNE DUST
CONTAINING ASBESTOS FIBERS ON REPEATED EXPOSURE MAY CAUSE OR CAN
LEAD TO ASBESTOSIS / MESOTHELIOMA. SKIN: UNKNOWN. EYES: POTENTIAL
IRRITATION FROM AIRBORNE DUST . INGESTION: UNKNOWN.

Medical Cond Aggravated by Exposure:RESPIRATORY DEFICIENCIES DUE TO
REPEATED INHALATION OF AIRBORNE FIBERS.

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===== 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: CONSULT A
PHYSICIAN . OTHER: CHANGE CLOTHING AS REQUIRED TO AVOID CARRYING
DUST PARTICLES INTO OTHER AREAS.

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

Flash Point:NONE

Extinguishing Media:M

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 CHEMICAL PRODUCTS.

Unusual Fire/Explosion Hazard:NONE KNOWN

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===== 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.

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===== 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. CHECK W/YOUR SAFETY OFFICE!!!

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

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===== 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 HYGIENIST PERSONNEL FOR GUIDANCE FOR THE TASK AT HAND.

Ventilation:LOCAL EXHAUST IS RECOMMENDED IN SITUATIONS WHERE DUST IS GENERATE

D 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 FRICTION ACTIONS. USE FULL PROTECTION AGAINST AIRBORNE FIBERS.AVOID AIRBORNE DUST CREATION

Supplemental Safety and Health

GENERIC "MSDS"

CREATED FOR "NSN" IDENTIFIED BY "DCSC" AS CONTAINING

ASBESTOS. WHEN A MANUFACTURER'S SPECIFIC "MSDS" IS PROVIDED FOR MATERIAL PROCURED UNDER THIS NSN, THIS GENERIC "MSDS" WILL BE REMOVE D. MANUFACTURER SUPPLIED A MATERIAL DATA SHEET, NOT A MATERIAL "SAFETY" DATA SHEET.

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

HCC:T6

Spec Gravity:1.55

Evaporation Rate & Reference:NONE

Solubility in Water:NOT SOLUBLE

Appearance and Odor:FRICTION LINING.

Percent Vol

atiles 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.

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