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MATERIAL SAFETY DATA SHEET

SECTION 1 NAME AND PRODUCT

RAYMARK INDUSTRIES, INC. 123 E. Stiegel Street Manheim, PA 17546	Date Issued _____ Revised June 1, 1988
Contact: Ronald L. Ramsey	Emergency Telephone Number (717) 665-2211
Material Number: M9201-0	Product Type Flexible Brake Lining

SECTION 2 HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS (Specify chemical, identity, common name(s))	RANGE % FROM - TO	CAS #	OSHA P.E.L.	ACGIH T.L.V.
Nitrile Rubber	15 22	Mixture	N.L.	N.L.
Barium Sulfate	15 25	7727-43-7	N.L.	30MPPCF
Mineral Wool Fiber	19 22	N.L.	15mg/M ³	10mg/M ³

SECTION 3 PHYSICAL AND CHEMICAL DATA

BOILING POINT N/A	MELTING POINT N/A	SPECIFIC GRAVITY (H ₂ O=1) 2.01
VAPOR PRESSURE (MMHG) N/A	PERCENT VOLATILE BY VOL. N/A	VAPOR DENSITY (AIR=1) N/A
EVAPORATION RATE N/A	SOLUBILITY IN WATER N/A	APPEARANCE & ODOR: Grayish-black little to no odor

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT None (METHOD USED) N/A	FLAMMABLE LIMITS LEL N/A UEL N/A
EXTINGUISHING MEDIA Water, CO ₂ , dry chemical and foam	EXPLOSION POTENTIAL None
SPECIAL FIRE FIGHTING PROCEDURES Wear self contained breathing apparatus.	

SECTION 5 HEALTH, FIRST AID AND MEDICAL DATA

Primary Route(s) of Entry: Inhalation

Health Hazards (Acute and Chronic)

Inhalation:
 Acute: Temporary irritation of the mouth, nose and throat.
 Chronic: The International Agency for Research on Cancer (IARC) has evaluated Man-Made mineral fibers (MMMF) with the following conclusions:
MINERAL WOOL FIBER: Limited evidence of carcinogenicity in humans. However, IARC concluded that mineral wool fiber should be placed in category 2B, possible carcinogenic to humans.

Skin Contact: Acute: Transient mechanical irritation. Chronic: None.

Eye Contact: Acute: Direct contact with cause mechanical irritation. Chronic: None.

SECTION 5 (con't)

- Ingestion: Acute: Unlikely to occur. Observe individual: if symptoms develop, consult physician. Chronic: None known.

Carcinogenicity Status: IARC has classified ingredient(s) in this product as possibly carcinogenic for humans. Not listed by NTP or by OSHA.

Signs and Symptoms of Exposure: Itching and possible irritation of upper respiratory tract.

Medical Conditions Generally Aggravated by Exposure: Any condition generally aggravated by mechanical irritants in air or on skin.

SECTION 6 REACTIVITY DATA

STABILITY: UNSTABLE | | STABLE | POLYMERIZATION: MAY OCCUR | | WILL NOT OCCUR |
INCOMPATIBILITY (MATERIALS TO AVOID): None

DECOMPOSITION PRODUCTS: Incomplete combustion may release toxic materials.

CONDITIONS TO BE AVOIDED: Avoid creating dust. Vacuum when possible.

SECTION 7 STORAGE, HANDLING AND USE PROCEDURES

NORMAL STORAGE AND HANDLING: Avoid creating dust.

NORMAL USE: Avoid creating dust, prohibit use of compressed air for cleaning.

STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS: Use vacuum if dust is involved.

WASTE DISPOSAL METHOD: In accordance with state and local regulations.

SECTION 8 PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NIOSH approved respirators if the T.L.V. is exceeded.

VENTILATION: Local ventilation if engineering controls are inadequate.

PROTECTIVE GLOVES May be appropriate in certain operations.

EYE PROTECTION May be appropriate in certain operations.

OTHER EQUIPMENT Wear long sleeved, loose fitting clothing.

SECTION 9 SPECIAL PRECAUTIONS

LABEL INFORMATION

"Any fibre or dust may be hazardous to your health. Use respirators and/or other dust control measures, as well as eye protection, when handling or processing this product. Do Not Ingest"

OTHER INFORMATION

Wash with soap and warm water after handling. Wash work clothes separately.

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