

**Fricción y Tecnología, S.A. de C.V.**Venustiano Carranza No. 18,
Col Santa María Aztahuacán C.P. 09570**Material Safety Data Sheet****P - 388 (BN-3) (NON-ASBESTOS - ORGANIC)**

Telephone: (5255) 5692 - 0406

Fax: (5255) 5692 - 3937

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I. Product Information

Product Name: P - 388 (BN-3)

Trade Name: Molded Friction Product (Non-Asbestos)

II. NFPA (0 = no hazard, 4 = severe hazard)

Health = 1

Reactivity = 0

Fire = 1

III. Ingredient Information

Hazardous Components	C.A.S. Number	Percent	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)
Graphites	7782 - 42 - 5	2 - 10 %	2.5	2.5
Mineral Wool Fibers	Not listed	6 - 20 %	10	5
Phenolic Resin	Mixture	9 - 20 %	Not listed	Not listed
Barium Sulfate	7727 - 43 - 7	8 - 30 %	5	10
Rubber	9003 - 55 - 3	1 - 5 %	Not listed	Not listed
Aluminum Oxide	1344 - 28 - 1	1 - 5 %	10	10
Magnesium Siicates	12174 - 11 - 7	3 - 24 %		5
Aluminum Silicates	12174 - 11 - 7	2 - 23 %		5

IV. Physical Data

Boilling Point (oF):	NA	Evaporation Rate (Butyl Acetate = 1):	NA
Vapor Pressure (mm Hg):	NA	Specific Gravity (Water = 1):	2.25
Water Solubility (%):	NA	Melting Point (oF) :	NA
Vapor Density (Air = 1):	NA	%Volatile by Volume:	NA
Appearance and Odor:	Black Color and Non Penetrating		

V. Fire and Explosion Data:

Flash Point (oF):	NA	Flammable Limits: LEL = NA	UEL = NA
Extinguishing Media:	water - foam - dry chemical		
Special Fire Fighting Procedures:	In a sustained fire selfcontained breathing respirators should be worn		

VI. Health Data: A. Summary / Risks

Mineral Wool Fibers - Limited evidence of carcinogenicity in humans.

Clinical conditions which may be aggravated. Any condition generally aggravated by mechanical irritants in air or on skin.
Target Organs: Lungs, skin.
Acute Health Effects: Temporary Irritation of the mouth, nose and throat.
Chronic Health Effects: Possible cancer causing agent to humans.
Primary Routes of Entry: Inhalation.
VI. Health Data: B. Sign Symptoms of Overexposure
Inhalation: May cause temporary upper respiratory irritation.
Skin Contact: Acute - transient mechanical irritation. Chronic - none.
Ingestion: Acute - unlikely to occur. Observe individual if symptoms develop, consult physician. - Chronic - None known.
Eyes: Acute - Direct contact will cause mechanical irritation - Chronic - None known.
VI. Health Data: C. First Aid Emergency Procedures.
Inhalation: Remove from exposure. Get medical help if irritation persists.
Skin Contact: Wash with mild soap and running water.
Ingestion: Unlikely. Consult a Physician.
Eyes: Flush with running water for several minutes. If symptoms persist consult a physician.
VII. Reactivity Data
Conditions to Avoid: Avoid creating dust. Vacuum when possible.
Hazardous Decomposition Products: Incomplete combustion may release toxic materials.
VIII. Spill or Leak Procedures:
Procedures for Spill/ Leak: Use vacuum if dust is involved.
Waste Management: In accordance with state and local regulations.
IX. Special Protection Information
Goggles: May be appropriate in certain operations.
Gloves: May reduce skin irritation in some operations.
Respirator: NIOSH approved nuisance dust respirator if TLV is exceeded.
Ventilation: Use local exhaust ventilation.
Other: Wear long sleeved shirts, loose fitting clothing and good personal hygiene.
Special Considerations for Repair and Maintenance of Contaminated Equipment: NA
X. Special Considerations
Special Handling/ Storage: Store in a dry place. Label information: " Any fiber or dust may be a hazard to your health. Use dust control measures as well as eye protection when handling or processing this product. Do not ingest "
Other: Wash with mild soap and warm water after handling. Wash work clothes separately.
Prepared/ Revised by:
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