

FRICCION Y TECNOLOGIA, S.A. DE C.V.

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Material Safety Data Sheet

METALLIC SEGMENT SST (P-448)

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I. Product Information

Product Name: P - 448

Trade Name: Molded Friction Product (Non-Asbestos - Organic)

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)
Carbon Black and Cokes	1333 - 86 - 4	2 - 18 %	3.5	3.5
Rubber	9003 - 55 - 3	5 - 12 %	Not listed	Not listed
Phenolic Resin	Mixture	3 - 25 %	Not listed	Not listed
Aluminum Oxide	1344 - 28 - 1	2 - 18 %	10	10
Barium Sulfate	7727 - 43 - 7	4 - 28 %	5	10
Fiberglass	65997 - 17 - 3	3 - 11 %	5	3 f/cc
Steel Fiber	N A	30-60 %	N A	N A

IV. Physical Data

Boilling Point (oF):	NA	Evaporation Rate (Butyl Acetate = 1):	NA
Vapor Pressure (mm Hg):	NA	Specific Gravity (Water = 1):	2.2
Water Solubility (%):	NA	Melting Point (oF) :	NA
Vapor Density (Air = 1):	NA	%Volatile by Volume:	NA
Appearance and Odor:	Metalic Grey Color and Penetrating Odor.		

V. Fire and Explosion Data:

Flash Point (oF):	NA	Flammable Limits: LEL = NA	UEL = NA
Extinguishing Media:	water - foam - dry chemical	Unusual Fire and Explosion: None	
Special Fire Fighting Procedures:	In a sustained fire selfcontained breathing respirators should be worn		

VI. Health Data: A. Summary / Risks

Continuous Filament Fiberglass: Inadequate evidence of carcinogenicity in both animal and scientific studies to link this fiber to human cancer.

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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