

MATERIAL SAFETY DATA SHEET

PLAINTIFF'S
EXHIBIT
20
Boness
9-5-03

SECTION I

MANUFACTURER'S NAME Raybestos-Manhattan, Inc.		EMERGENCY TELEPHONE NO. 203/371-0101
ADDRESS (Number, Street, City, State, and ZIP Code) 100 Oakview Drive Trumbull, CT 06611		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS
PRODUCT TYPE Friction Material	R/M CORE CODE OR MATERIAL NO. R/M 3375-1	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Unit)	ALLOYS AND METALLIC COATINGS	%	TLV (Unit)
PIGMENTS		N.A.	BASE METAL		N.A.
CATALYST		N.A.	ALLOYS		N.A.
VEHICLE		N.A.	METALLIC COATINGS		N.A.
SOLVENTS		N.A.	FILLER METAL PLUS COATING OR CORE FLUX		N.A.
ADDITIVES		N.A.	OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Unit)
Rubber	0 - 25%	NL	Litharge	2 - 10%	50mg/m ³
Phenolic Polymer	0 - 25%	NL	Brass	0 - 25%	NL
Chrysotile Asbestos	25 - 60%	2f/cc	Carbon Black	1 - 5%	3.5mg/m ³
Sulfur	0 - 6%	NL			

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N.A.	SPECIFIC GRAVITY (H ₂ O=1)	N.A.
VAPOR PRESSURE (mm Hg.)	N.A.	PERCENT. VOLATILE BY VOLUME (%)	N.A.
VAPOR DENSITY (AIR=1)	N.A.	EVAPORATION RATE (_____ =1)	N.A.
SOLUBILITY IN WATER	N.A.		
APPEARANCE AND ODOR			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	N.A.	FLAMMABLE LIMITS	LM	UM
EXTINGUISHING MEDIA	Water Co ₂ - Foam			
SPECIAL FIRE FIGHTING PROCEDURES	Wear self contained breathing apparatus			
UNUSUAL FIRE AND EXPLOSION HAZARDS	None			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	See section II
EFFECTS OF OVEREXPOSURE	Chronic - Asbestosis and Cancer
EMERGENCY AND FIRST AID PROCEDURES	N/A

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid) Avoid strong oxidizers due to rubber content			
HAZARDOUS DECOMPOSITION PRODUCTS Incomplete combustion may release toxic materials			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Vacuum or wet cleaning if dust involved.
WASTE DISPOSAL METHOD
Sealed containers properly labeled as specified in 29CFR 1910.1001
Refer to Title 40 CFR Part 261 Hazardous Waste Management System

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) NIOSH approved respirator for dust and asbestos fiber-See 1910.1001.		
VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER
PROTECTIVE GLOVES		EYE PROTECTION
OTHER PROTECTIVE EQUIPMENT Depends on usage (See 1910.1001)		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Proper labels required. 1910.1001
OTHER PRECAUTIONS