

MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT IDENTIFICATION	
Product Name: ASBESTOS	C.A.S. Numbers: 12001-29-5, 1309-38-2
Chemical Name: Chrysotile Asbestos	Formula/Composition: $Mg_3[(OH)_4Si_2O_5]_2$
Synonyms: Asbestos, White Asbestos, Hydrated Magnesium Silicate	

SECTION II PHYSICAL DATA	
Sizes: Few micrometers to 2 cm, fiber lengths	Solubility in Water: Very slightly soluble
Specific Gravity: ($H_2O=1$) 2.45 approximately.	Melting Point: °F (°C) Dehydrates above 1112 (600)
Odor: None	Boiling Point: °F (°C) Not applicable
Appearance: White fibrous	Vapor Pressure: Not applicable
Bulk Density: 15-45 lb/ft ³ , as packaged (depends on product form)	Percent Volatile: Absorbed H_2O 1-4% by weight Structural H_2O ~ 13% by weight
Molecular Weight: Not applicable	Evaporation Rate: Not applicable

SECTION III HAZARDOUS INGREDIENTS		
Material or Component (CAS #)	Weight %	OSHA PEL Data (TWA Unless Noted), ACGIH
Chrysotile Asbestos (12001-29-5)	>95%	0.2 fibers/cc longer than 5 μm (1) 2 fibers/cc longer than 5 μm (2) Excursion Limit (3)
Magnetite Fe_3O_4 (1309-38-2)	0.5-2	None established (1) (2)
H.M.I.S. Rating Numbers		
Health: - (Possible Chronic Effects)		
Flammability: 0		
Reactivity: 0		
References: (1) OSHA Regulation (2) ACGIH (3) Excursion limit. The employer shall ensure that no employee is exposed to an airborne concentration of asbestos, tremolite, anthophyllite, actinolite, or a combination of these minerals in excess of 1.0 fiber per cubic centimeter of air (1 f/cc) as averaged over a sampling period of thirty (30) minutes. [1910.1001(c) revised by 53 FR. 35625, September 14, 1988]		

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