




# Material Safety Data Sheet

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<b>Section I. Chemical Product and Company Identification</b>			
<b>Product Name/ Trade Name</b>	<b>VANSIL® W-20</b>	<b>Code</b>	59260
		<b>CAS#</b>	13983-17-0
<b>Supplier</b>	R. T. VANDERBILT COMPANY, INCORPORATED 30 WINFIELD STREET NORWALK, CT 06855	<b>In case of Emergency</b>	(203) 853-1400
		<b>Synonym</b> Wollastonite	
<b>Chemical Name</b>	Calcium silicate mineral (calcium metasilicate)	<b>Protective Clothing</b> 	
<b>Chemical Family</b>	Inosilicate (chain silicate-structural).		
<b>Manufacturer</b>	R. T. Vanderbilt Company, Inc. 30 Winfield Street Norwalk, CT 06855	<b>Material Uses</b>	Additive in paints and plastics

<b>Section II. Composition and Information on Ingredients</b>			
Name	CAS #	% by Weight	TLV/PEL
1) wollastonite	13983-17-0	100	As particles not otherwise regulated (PNOR).
Total Product			TWA: 15 mg/m <sup>3</sup> total dust 5 mg/m <sup>3</sup> respirable dust (OSHA)  As particles not otherwise regulated (PNOR).

<b>Section III. Hazards Identification</b>	
<b>Emergency Overview</b>	Not an acute hazard. May cause mechanical eye or skin irritation in high concentrations. As with all mineral spills, minimize dusting during clean-up. Do not breathe dust. Prolonged inhalation may cause lung injury. Product can become slippery when wet.
<b>Target Organs</b>	Pulmonary System (chronic risk).

<b>Section IV. First Aid Measures</b>	
<b>Eye Contact</b>	Flush with plenty of flowing water. Get medical attention if irritation persists.
<b>Skin Contact</b>	Wash off with water.
<b>Inhalation</b>	Allow the victim to rest in a well ventilated area if high concentration is inhaled and mechanical irritation or discomfort occurs. Seek medical attention if irritation persists.
<b>Ingestion</b>	Unlikely to be toxic by ingestion.

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**Section V. Fire and Explosion Data**

<b>Flammability of the Product</b>	Non-flammable.
<b>Auto-Ignition Temperature</b>	Not applicable.
<b>Flash Points</b>	Not applicable.
<b>Flammable Limits</b>	Not applicable.
<b>Products of Combustion</b>	Not applicable.
<b>Fire Hazards in Presence of Various Substances</b>	Not considered to be flammable.
<b>Explosion Hazards in Presence of Various Substances</b>	None.
<b>Fire Fighting Media and Instructions</b>	Product will not burn, use appropriate extinguishing media for surrounding fires.
<b>Special Remarks on Fire Hazards</b>	Not available.
<b>Special Remarks on Explosion Hazards</b>	Not available.

**Section VI. Accidental Release Measures**

<b>Small Spill</b>	Use a vacuum to clean up spillage. If appropriate, use gentle water spray to wet down and minimize dust generation. Place in a sealed container.
<b>Large Spill</b>	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Avoid excessive dust generation. Use respiratory protection in high dust conditions.

**Section VII. Handling and Storage**

<b>Handling and Storage Procedures</b>	No special storage considerations. Handle in ways which minimize dust generation.
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**Section VIII. Exposure Controls/Personal Protection**

<b>Engineering Controls</b>	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If local exhaust ventilation is used, a capture velocity of 150-200 fpm is recommended.
<b>Personal Protection</b>	Safety glasses. Any NIOSH approved filler dust respirator. No special skin protection required. Wash skin if mechanical irritation is experienced.

**Section IX. Physical and Chemical Properties**

<b>Appearance</b>	White powder.
<b>Molecular Weight</b>	Not available.
<b>pH (1% soln/water)</b>	Not available
<b>Melting/ Sublimation Point</b>	Not available.
<b>Specific Gravity</b>	2.9 (Water = 1)
<b>Volatility</b>	Non-volatile.
<b>Odor</b>	None
<b>Solubility</b>	Insoluble in cold water.

**Section X. Stability and Reactivity Data**

<b>Stability</b>	The product is stable.
<b>Instability Temperature</b>	Not applicable
<b>Conditions of Instability</b>	None known
<b>Incompatibility with Various Substances</b>	Non reactive.
<b>Corrosivity</b>	Not available.

**Section XI. Toxicological Information**

<b>Routes of Entry</b>	Inhalation. Ingestion.
<b>Acute Effects</b>	
<b>Eye contact</b>	Not a primary eye irritant. May cause mechanical irritation.
<b>Skin contact</b>	Because of the shape of individual wollastonite particles, minor skin irritation may result from prolonged physical contact.
<b>Sensitization</b>	Not a sensitizer.
<b>Ingestion</b>	Not an ingestion hazard.
<b>Inhalation</b>	Inhalation of high concentrations may cause mechanical irritation and discomfort.
<b>Remark</b>	No additional remark.
<b>Chronic Effects</b>	<b>CARCINOGENIC EFFECTS:</b> See remarks. <b>MUTAGENIC EFFECTS:</b> None known. <b>TERATOGENIC EFFECTS:</b> None known. <b>DEVELOPMENTAL TOXICITY:</b> None known.

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**Remarks**

In a NIOSH medical survey of wollastonite workers "no definite association of wollastonite exposure and excess morbidity could be demonstrated". From an update of this study it was concluded that prolonged exposure to excessive wollastonite dust may affect pulmonary function.

Excessive exposure to any dust may aggravate pre-existing respiratory conditions.

**Section XII. Ecological Information**

**Ecotoxicity** None known.

**BOD5 and COD** Not available.

**Products of Biodegradation** None known.

**Toxicity of the Products of Biodegradation** None known.

**Special Remarks on the Products of Biodegradation** Not available.

**Section XIII. Disposal Considerations**

**Waste Information** Not a RCRA hazardous waste. Dispose of according to state or local regulations.

**Section XIV. Transport Information**

**DOT** Not a DOT controlled material (United States).



Not applicable.

**Maritime Transportation**

Not available.



**Section XV. Other Regulatory Information and Pictograms**

**TSCA** Listed.

**Other Regulations** Not available.

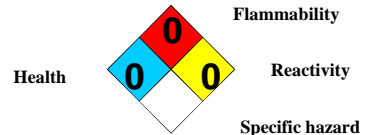
**Other Classifications**  
**Federal and State Regulations** No products were found.

**Hazardous Material Information System (U.S.A.)**

Health Hazard	*	0
Fire Hazard		0
Reactivity		0
Personal Protection		E

\* Chronic Potential

**National Fire Protection Association (U.S.A.)**



**Protective Clothing (Pictograms)**



**Section XVI. Other Information**

**References** Not available.

**Other Special Considerations** Not available.

Validated by Sue Kelly on 2/17/2000.

Verified by Sue Kelly.

Printed 2/17/2000.

**Information Contact** John Kelse (203) 853-1400 ext. 217  
Corporate Risk Management

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