




Material Safety Data Sheet

minusa

Section I. Chemical Product and Company Identification			
Product Name/ Trade Name	VEEGUM® T	Code	72405
		CAS#	See Section II
Supplier	R. T. VANDERBILT COMPANY, INC. 30 WINFIELD STREET NORWALK, CT 06855	In case of Emergency	(203) 853-1400
Synonym	Smectite clay	Protective Clothing	
Chemical name	Hydrated magnesium aluminum silicate mineral		
Chemical Family	Not available.		
Manufacturer	R. T. Vanderbilt Company, Inc. 30 Winfield Street Norwalk, CT 06855	Material Uses	Industrial.

Section II. Hazardous Ingredients			
Name	CAS #	% by Weight	TLV/PEL
smectite clay	12199-37-0	100	
Total Product			TWA: 15 mg/m ³ total dust 5 mg/m ³ respirable dust (OSHA) As particles not otherwise regulated (PNOR).

Section III. Hazards Identification	
Emergency Overview	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.
Target Organs	Pulmonary System (chronic risk).

Section IV. First Aid Measures	
Eye Contact	Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
Skin Contact	Wash off with water.
Inhalation	Allow the victim to rest in a well ventilated area.
Ingestion	Unlikely to be toxic by ingestion.

Section V. Fire and Explosion Data

Flammability of the Product	Non-flammable.
Autoignition Temperature	Not applicable.
Flash Point	Not applicable.
Flammable Limits	Not applicable.
Products of Combustion	Not available.
Fire Hazards in Presence of Various Substances	Not considered to be flammable according to our data base.
Explosion Hazards in Presence of Various Substances	None
Fire Fighting Media and Instructions	Product will not burn, use appropriate extinguishing media for surrounding fires.
Special Remarks on Fire Hazards	Not available.
Special Remarks on Explosion Hazards	Not available.

Section VI. Accidental Release Measures

Small Spill	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.
Large Spill	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Avoid excessive dust generation. Use respiratory protection in high dust condition

Section VII. Handling and Storage

Handling and Storage Procedures	Avoid generating dust. Use respiratory protection in the absence of adequate engineering controls. Keep containers closed when not in use. Clean up spills promptly (see spill procedure).
--	--

Section VIII. Exposure Controls, Personal Protection

Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, use ventilation to keep exposure to airborne contaminants below the exposure limit. If local exhaust ventilation is used, a capture velocity of 150-200 fpm is recommended.
Personal Protection	Splash goggles. Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent. No special skin protection should be required. However, if irritation is experienced, use gloves and/or other skin covering.

Section IX. Physical and Chemical Properties

Appearance	White flakes.
Molecular Weight	Not available.
pH	Not available.
Melting/ Sublimation Point	Not available.
Specific Gravity	2.6 (Water = 1)
Volatility	Non-volatile.
Odor	None.
Solubility	Insoluble in cold water.

Section X. Stability and Reactivity Data

Stability	The product is stable.
Instability Temperature	Not applicable.
Conditions of Instability	Not available.
Incompatibility with Various Substances	No incompatible product according to our data base.
Corrosivity	Not available.

Section XI. Toxicological Information

Routes of Entry	Ingestion. Inhalation.
Acute Effects	
Eye Contact	Mildly irritating to the eyes (mechanical).
Skin Contact	Possible mechanical skin irritant (moderate).
Sensitization	Not a sensitizer.
Ingestion	Not an ingestion hazard.
Inhalation	Inhalation of high concentrations may cause mechanical irritation and discomfort. Repeated exposure may cause chronic effects.
Remarks	No additional remark.
Chronic Effects	CARCINOGENIC EFFECTS Not available. MUTAGENIC EFFECTS Not available. TERATOGENIC EFFECTS Not available. DEVELOPMENTAL TOXICITY Not available.

Continued on Next Page

Remarks 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.

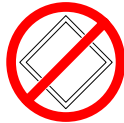
Special Remarks on the Products of Biodegradation Not available.

Section XIII. Disposal Considerations

Waste Information Not a RCRA hazardous waste. Dispose of in accordance 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. Regulatory Information

TSCA Listed.

Federal and State Regulations TSCA 8(b) inventory: VEEGUM® T

Not available.

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

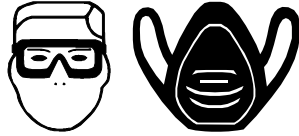
Health Hazard	*	1
Fire Hazard		0
Reactivity		0
Personal Protection		E

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

Health		Flammability
		Reactivity
		Specific hazard

Continued on Next Page

* Chronic Potential

**Protective Clothing
(Pictograms)****Section XVI. Other Information****References** Not available.**Other Special
Considerations** Not applicable.Validated by Sue Kelly on 3/1/2005.
Previous Validation Date 3/1/2005.

Verified by Sue Kelly.

Printed 3/11/2005.

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

Information presented herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product in violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.