R.T. Vanderbilt Company, Inc.
INDUSTRIAL MINERALS AND CHEMICALS

Material Safety Data Sheet

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1 . Product and company identification

Product name VEEGUM® CER

Code 71406

Supplier/Manufacturer
R. T. Vanderbilt Company, Inc.
30 Winfield Street
Norwalk, CT 06855

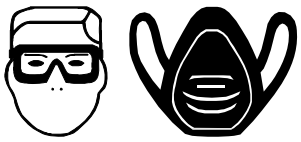
In case of emergency, call 203-853-1400
Chemtrec: (800) 424-9300
Outside US: (703) 527-3887

Synonym Smectite clay

Chemical Name Hydrated magnesium aluminum silicate mineral

Material uses Thickener/suspending agent

Protective clothing



2 . Hazards identification

Emergency Overview Not considered an acute health risk. Avoid excessive dust generation. May cause mechanical eye and skin irritation. Avoid breathing dust. Prolonged inhalation may cause lung injury. Physical form is unlikely to present dust risk under normal conditions of use. Product can become slippery when wet.

Routes of Entry Ingestion. Inhalation.

Potential acute health effects

Inhalation Inhalation of high concentrations may cause mechanical irritation and discomfort. Repeated exposure may cause chronic effects.

Ingestion Not an ingestion hazard.

Skin Possible mechanical skin irritation. Not absorbed through skin. Possible granuloma formation in open wounds (requires repeated, massive applications).

Eyes May cause mechanical irritation.

Remarks No additional remark.

Potential chronic health effects

Target organs Pulmonary System (chronic risk).

See toxicological information (section 11)

3 . Composition/information on ingredients

Name	CAS number	% by weight	TLV/PEL
smectite clay sodium carboxymethylcellulose	12199-37-0 9004-32-4	72 28	
Total Product			TWA: 15 mg/m^3 total dust 5 mg/m^3 respirable dust (OSHA) As particles not otherwise regulated (PNOR).

4 . 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 if high concentration is inhaled and mechanical irritation or discomfort occurs. Seek medical attention if irritation persists.

Ingestion Unlikely to be toxic by ingestion.

5 . Fire-fighting measures

Flammability of the product May be combustible at high temperature.

Flash point Not applicable.

Auto-ignition temperature Not applicable.

Flammable limits Not applicable.

Hazardous combustion products Not applicable.

Fire hazards in the presence of various substances Not considered to be flammable. Product will not burn, use appropriate extinguishing media for surrounding fires.

6 . 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. Material will become slippery when wet.

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

7 . Handling and storage

Handling and storage 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). No special storage considerations. Handle in ways which minimize dust generation.

8 . Exposure controls/personal protection

Engineering measures Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below established levels below recommended exposure limits. If user operations generate dust, use ventilation to keep exposure to airborne contaiminants 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.

9 . Physical and chemical properties

Physical state	Solid. [Flakes solid.]
Color	White.
Odor	None known.
Molecular weight	Not applicable.
pH	Not available.
Boiling/condensation point	Not available.
Melting/freezing point	Not available.
Specific gravity	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Volatility	Not available.
Evaporation rate	Not available.
Dispersibility properties	Not available.
Solubility	Insoluble in the following materials: cold water.

10 . Stability and reactivity

Stability	The product is stable.
Instability temperature	Not applicable.
Conditions of instability	Not available.
Incompatibility with various substances	No incompatible product according to our database.
Corrosivity	Not available.

11 . Toxicological information

Acute effects

See Hazards Identification (section 2)

Chronic effects

Carcinogenic effects	See summary below.
Mutagenic effects	None known.
Teratogenic effects	None known.
Developmental toxicity	None known.
Conclusion/Summary	Excessive exposure to any dust may aggravate pre-existing respiratory conditions.

12 . Ecological information

Ecotoxicity	None known.
Products of biodegradation	None known.
Toxicity of the products of biodegradation	None known.
Special remarks on the products of biodegradation	Not available.

13 . Disposal considerations

Waste information Not a US RCRA hazardous waste. Dispose of in accordance with state and local regulations.

14 . Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	Not available.	Not regulated.	Not available.	-		-
TDG Classification	Not available.	Not regulated.	Not available.	-		-
Mexico Classification	Not available.	Not regulated.	Not available.	-		-
ADR/RID Class	Not available.	Not regulated.	Not available.	-		-
IMDG Class	Not available.	Not regulated.	Not available.	-		-
IATA-DGR Class	Not available.	Not regulated.	Not available.	-		-

PG* : Packing group

15 . Regulatory information

United States

OSHA/HCS status While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

U.S. Federal regulations

United States inventory (TSCA 8b): All components are listed or exempted.
SARA 302/304/311/312 hazardous chemicals: CELLULOSE, CARBOXYMETHYL ETHER, SODIUM SALT
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: CELLULOSE, CARBOXYMETHYL ETHER, SODIUM SALT: Delayed (chronic) health hazard

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level

Canada inventory All components are listed or exempted.

Europe inventory All components are listed or exempted.

International lists

Australia inventory (AICS): All components are listed or exempted.
China inventory (IECSC): All components are listed or exempted.
Japan inventory: All components are listed or exempted.
Korea inventory: All components are listed or exempted.
New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.
Philippines inventory (PICCS): All components are listed or exempted.

16 . Other information

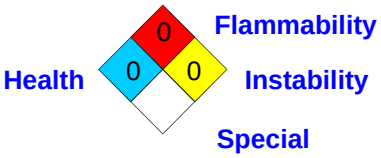
Other special considerations Not available.

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

Health	*	1
Flammability		0
Physical hazards		0
Personal protection		E

*** Chronic Potential**

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



The customer is responsible for determining the PPE code for this material.

Date of printing **4/20/2010.**
Date of issue **4/20/2010.**
Date of previous issue **2/19/2010.**

Validated by Sue Kelly on 4/20/2010.

Information contact **Corporate Risk Management**
203-853-1400

Indicates information that has changed from previously issued version.

Notice to reader

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