I. PRODUCT IDENTIFICATION

Trade Name: VANSIL® W-10, VANSIL® W-20, VANSIL® W-30, VANSIL® S.C.

Chemical Name: Calcium silicate mineral (calcium metasilicate)

Synonyms: Wollastonite, CAS Reg. No. 13983-17-0

Hazardous Ingredients/OSHA: Wollastonite (mineral nuisance dust)

Hazard: Inhalation (nuisance dust)

Carcinogenic Ingredients/OSHA/NTP/IARC: None

II. WARNING STATEMENTS

Prolonged inhalation of excessive dust may affect pulmonary function.

III. PHYSICAL AND CHEMICAL DATA

Appearance and Odor: White powder

Vapor Pressure: N/A

Density Mg/cu m: 2.9

Vapor Density: N/A

Solubility in Water: None

Percent Volatiles: None

Evaporation Rate: N/A

Boiling Point: N/A

(< * - Registered in U.S. Patent and Trademark Office)
IV. FIRE PROTECTION

Nonflammable

V. REACTIVITY DATA

Non-reactive

VI. HEALTH HAZARD DATA

Exposure Limits:

Calcium silicate is classified as a nuisance dust by the American Conference of Governmental Industrial Hygienists.

PEL OSHA:  
- Calcium silicate (total) 15 mg/cu m 8 hr. TWA  
- Calcium silicate (resp.) 5 mg/cu m 8 hr. TWA

TLV ACGIH:  
- Calcium silicate (total) 10 mg/cu m 8 hr. TWA  
- Calcium silicate (resp.) 5 mg/cu m 8 hr. TWA

VII. PHYSIOLOGICAL EFFECTS SUMMARY

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. Because of the shape of individual wollastonite particles, minor skin irritation may result from prolonged physical contact with the product.

VIII. PRECAUTIONS FOR SAFE HANDLING

Avoid breathing dust. See Section IX, PROTECTION AND CONTROL MEASURES.
SECURITY PLAN

IN-HOUSE

Health Management

EMPLOYEE HEALTH

EXERCISE LIMIT

Calculation of limits is based on a variety of factors. Each employee's

height, weight, and age are considered. The formula for determining

maximum exercise limits is as follows:

1. Calculate the maximum heart rate based on age using the formula:

   Maximum Heart Rate = 220 - age

2. Calculate the target heart rate range for exercise:

   Target Heart Rate Range = 0.6 x Maximum Heart Rate - 1.7

3. Calculate the maximum number of repetitions:

   Maximum Repetitions = Target Heart Rate Range / 1.7

4. Calculate the maximum amount of weight:

   Maximum Weight = Target Heart Rate Range / 1.7

Health Management

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SUMMARY

A list of procedures and protocols for handling

MEASURES

PRECAUTIONS FOR SAFE HANDLING
IX. PROTECTION AND CONTROL MEASURES

Protective Equipment:

Use of cloth gloves, long sleeve shirts and/or barrier cream is recommended for skin protection. At elevated dust levels, safety goggles are also recommended. At high dust levels, wollastonite can be mechanically irritating to the skin, eyes and respiratory tract.

Respiratory Protection:

Use any NIOSH approved filter dust respirator if TLV or PEL is exceeded or if upper respiratory tract irritation occurs.

Ventilation:

Use local exhaust ventilation as primary dust control method. 150 to 200 fpm. capture air velocity is typically required for local exhaust systems.

X. EMERGENCY AND FIRST AID PROCEDURES

Not expected to be a problem. No special requirements.

XI. SPILL AND DISPOSAL PROCEDURES

Not a RCRA hazardous waste. Use vacuum to clean up spillage. Dispose of according to State and local regulations.

For Additional Information Contact:

Legal Affairs
R. T. VANDERBILT CO., INC.
30 Winfield Street
P.O. Box 5150
Norwalk, CT 06856
Tel. No.: (203) 853-1400
before the conclusion of the existing agreement.

I reserve the right to change the terms of this agreement, and to terminate it at any time.

Yours sincerely,

[Signature]

[Date]

Reference: [Number]

Enclosures:

- [List of enclosures if applicable]

Request for action:

[Specific request or action needed]

[Date]

[Signature]

Legal notice:

[Legal notice text if applicable]

For additional information contact:

[Contact information]