I. PRODUCT IDENTIFICATION

Trade Name: VANSIL® W-10, VANSIL® W-20, VANSIL® W-30

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

Boiling Point: N/A

Evaporation Rate: 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. Use dust mask if TLV or PEL for airborne dust is exceeded. See OSHA 29 CFR 1000.34
IX. PROTECTION AND CONTROL MEASURES

Protective Equipment:

Use of gloves and/or barrier cream is recommended for skin protection.

Respiratory Protection:

Dust masks. See OSHA 29 CFR 1000.134

Ventilation:

Use local exhaust ventilation as primary dust control method.

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:

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