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

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 breating dust. See Section IX, PROTECTION AND CONTROL MEASURES.

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.
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:

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