MATERIAL SAFETY DATA SHEET

MANUFACTURER'S NAME

Piedmont Minerals Company, Incorporated

ADDRESS (CITY, STATE AND ZIP CODE)

3514 W. Wendover Ave., Greensboro, N.C. 27407

TELEPHONE NO.

(919) 232-0949

TRADE NAME, COMMON NAME OR SPECIFICATION

Pyrofrac, Pyrostil, Pyrophyllite

CHEMICAL FAMILY OR PRODUCT TYPE

Inorganic Oxides

CHEMICAL NAME

Pyrophyllite

Silicon Dioxide

Andalusite

COMMON NAME

Sasol

Quartz

Sasol

REACTIVITY

NA

NA

NA

OSHA PERMISSIBLE EXPOSURE LIMIT

TWA

22.66 - 78.2

16800 - 60 - 7

12182 - 86 - 1

AEROSOL

NA

NA

NA

ACGIH

TWA

0.5

0.1

0


TLV (total dust) = 30 mg/m³ + (2) [crystalline quartz + 2]

TLV (respirable dust) = 10 mg/m³ + (2) [crystalline quartz + 2]

For cristobalite and tridymite, use 12/2 quartz values

acclimatized as per OSHA, EH4, 29 CFR 1910.1200, subpart C, §1910.1200

2 acclimatized as per OSHA, EH4, 29 CFR 1910.1200, subpart C, §1910.1200

VAPOR PRESSURE

0

0

0

PHYSICAL STATE

S

S

S

PHYSICAL APPEARANCE

White to medium tan

White to medium tan

White to medium tan

PURITY

99%

99%

99%

PERCENT ABSORPTION

99%

99%

99%

PERCENT VOLATILITY

Vapor 0.01

Vapor 0.01

Vapor 0.01

PH (10% solution): 6.7

PHYSICAL APPEARANCE

White to medium tan

grains and powder with earthy odor

Percent Installs by Volume: 0.01

Solubility In Water: Negligible

Built Density: 50 - 110 lbs/cu.ft.

FIRE POINT--EXPLOSION POTENTIAL--FLAMMABLE LIMITS--EXTINGUISHING MEDIA

This product is non-flammable and will not support combustion.

SECTION V HEALTH AND FIRST AID (SEE SECTION II FOR TLV)

Inhalation: nuisance dust. See Section IX. FIRST AID: Remove to dust-free area.

Skin: NA

Eyes: May irritate eyes. FIRST AID: Flush eyes with water for at least fifteen (15) minutes. Seek medical attention.

NOTE: See Section IX.

NOTE: The two numbers in the TLV and PEL columns represent the respirable/total fraction.

SECTION VI RESPIRATORY PROTECTION (SPECIFY TYPE USE HC1600 OR DHSA-APPROVED RESPIRATOR)

VENTILATION

Sufficient to keep dust below TLVs.

PROTECTIVE CLOTHING

Recommended

PROTECTIVE GOGGLES

Recommended

OTHER EQUIPMENT

RAIF

WARNING: This product contains silica. Inhalation of this dust in the respirable size range presents a potential health hazard. Excessive inhalation will increase your risk of serious respiratory disease (silicosis).