

MATERIAL SAFETY DATA SHEET

AUG 26 1991

CA

SECTION I NAME AND PRODUCT

MANUFACTURER'S NAME Piedmont Minerals Company, Incorporated	CONTACT Technical Dept.
ADDRESS (STREET, CITY, STATE AND ZIP CODE) 3514 W. Wendover Ave., Greensboro, N.C. 27407	EMERGENCY TELEPHONE NO. (919) 292-0949
TRADE NAME, COMMON NAME OR SPECIFICATION Pyrofrac, <u>Pyrotrol</u> , Pyrophyll	APPROVED BY JRS DATE 4-13-88
CHEMICAL FAMILY OR PRODUCT TYPE Inorganic Oxides	

SECTION II COMPOSITION

CHEMICAL NAME	%	COMMON NAME	REG* (Y/N)	CAS *	OSHA ³ PERMISSIVE EXPOSURE LIMIT	ACGIH ³ TLV	CARCIN- OGEN ² (Y/N)
Pyrophyllite	<50	Same	Y	12269-78-2	NAIF	.53 mg/m ³	N
Silicon Dioxide	>50	Quartz	Y	7631-86-9	(4)	(4)	N
Andalusite	<50	Same	Y	12183-80-1	NAIF	NAIF	N
(4) TLV's for free quartz (crystalline silica) may be calculated as follows:							
TLV (total dust) = 30 mg/m ³ ÷ (% crystalline quartz + 2)							
TLV (respirable dust) = 10 mg/m ³ ÷ (% crystalline quartz + 2)							
For cristobalite and tridymite, use 1/2 quartz values							
*Regulated as per lists: OSHA 29 CFR 1910, sub-part Z, ACGIH, HHS/NTP and IARC							
†Regulated as per lists: NTP Annual Report on Carcinogens, IARC Monographs.							

SECTION III PHYSICAL AND CHEMICAL DATA

Percent Volatile by Volume: 0%	ph (10% solution): 6-7
Solubility in Water: Negligible	Physical Appearance: White to medium tan grains and powder with earthy odor
Bulk Density: 50 - 110 lbs./cu.ft.	
P.C.E.: 20 - 31	

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash 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: NAIF

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

NOTE: See Section IX.

³ NOTE: The two numbers in the TLV and PEL columns represent the respirable/total fraction

SECTION VI CORROSIVITY AND REACTIVITY DATA

Stability: Stable
Polymerization: Will not occur
Incompatibility: NAIF

Conditions to be avoided: NAIF

SECTION VII STORAGE, HANDLING AND USE PROCEDURES

Normal Storage and Handling: See below.

Normal Use: Good housekeeping and good hygienic practices should be used.

Steps to be taken in case of leaks or spills: Employ dust-free clean-up procedures.

Waste Disposal Method: The tearout and disposal of this product may generate dust. During tearout, observe the exposure limits outlined in Section II, and the personal protection precautions in Section VIII. Disposal shall be in accordance with Federal, State, and Local regulations.

SECTION VIII PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE) Use NIOSH or MSHA approved respirator.

VENTILATION	LOCAL Sufficient to keep dust below TLV's.
	MECHANICAL (GENERAL)
	OTHER

PROTECTIVE GLOVES Recommended

EYE PROTECTION Recommended

OTHER EQUIPMENT NAIF

SECTION IX SPECIAL PRECAUTIONS

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).

FOR COMPANY USE

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof; however Riedmont makes no warranty with respect to the accuracy of the information or the