

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Trade Name(s): **PROTECH™ EMERY POWDER**

Generic Name: **MODIFIED SILICA EARTH**

Chemical Name: **SILICA**

Distributor: **ProTech Professional Products, Inc.
2900 N.W. Commerce Park Dr.
Suite #10
Boynton Beach, FL 33426**

Telephone: **(800)872-8898**

II. PRODUCT INGREDIENTS

INGREDIENT NAME	%	PERMISSIBLE EXPOSURE LIMIT
Silica Earth		See Below
SiO ₂	89.5	
Al ₂ O ₃	4.1	
Fe ₂ O ₃	1.5	
CaO	0.6	
MgO	0.3	
Other Oxides	4.0	
This Product may contain up to 70% Cristobolite up to 5% Quartz		0.069 mg/m ³ Respirable Mass (PEL calculation based on up to 75% crystalline silica re:ACGIH-A.2 for TLV)

III. PHYSICAL DATA

Appearance and Odor:	White to off white powder; odorless.		
Boiling Point:	N/A	Evaporation Rate:	N/A
Vapor Pressure:	N/A	Specific Gravity: (water = 1)	2.35
Water Solubility (%):	Slight	Melting Point:	N/A
Vapor Density: (air = 1)	N/A	% Volatile by Volume:	N/A

IV. FIRE AND EXPLOSION DATA

Flash Point(Method):	Non-flammable	NFPA Flammable/Combustible	Non-flammable
Flammable Limits:	N/A	Liquid Classification:	N/A
Extinguishing Media:	N/A	Auto-Ignition Temperature:	N/A
Unusual Fire or Explosion Hazards:	None	Special Fire-Fighting Procedures:	None

V. REGULATORY INFORMATION

Crystalline silica has been classified as a substance which may reasonably be anticipated as a carcinogen by NTP.

OSHA Hazard Communication Standard, 29CFR 1910-1200: material is considered hazardous.

RCRA: This material is not defined as hazardous waste per 40 CFR 261.

TSCA: This material is listed in the TSCA inventory, and is not otherwise regulated by TSCA sec. 4,5,6 or 12.

CERCLA: Material is not reportable under CERCLA, local requirements may vary.

SARA: 311/312 Hazard categories - immediate and delayed health. 313 reportable ingredients - none.

California Prop. 65: This material contains a chemical known to the State of California to cause cancer.

VI. HEALTH HAZARDS

A. Summary/Risks

This material contains crystalline silica. Long term inhalation of crystalline silica dusts may cause lung disease (silicosis). Crystalline silica has been classified as carcinogenic to humans (Group 1) by IARC, a unit of the World Health Organization.

Medical Conditions Which May Be Aggravated: Pre-existing upper respiratory and lung disease, (such as bronchitis, emphysema, asthma, or others).

Target Organ(s): Lungs; Primary Entry Route(s): Inhalation

**HEALTH - 2
FLAMMABILITY - 0
REACTIVITY - 0**

Acute Health Effect: Transitory upper respiratory irritant.

**PERSONAL PROTECTION - E
(See special precautions page 2)**

Chronic Health Effects: Long term inhalation of dust levels in excess of the PEL may cause lung disease (silicosis). IARC has classified crystalline silica as carcinogenic to humans.

