



# Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standards must be consulted for specific requirements.

U.S. Department of Labor  
Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTITY (As Used on Label and List) **HI-DRI** Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate this.

## Section I

Manufacturer's Name <b>WAVERLY MINERAL PRODUCTS COMPANY</b>	Emergency Telephone Number <b>215-397-0400; 0405; 708-670-8870</b>
Address (Number, Street, City, State, and ZIP Code) <b>555 NORTH LANE, #6335</b>	Telephone Number for Information <b>215-397-0405</b>
<b>CONSHOHOCKEN, PA 19428</b>	Date Prepared <b>June 6, 1990</b>
	Signature of Preparer (optional) <b>S. Jaffe</b>

Description: **HIGHLY ABSORBENT CLAY MINERAL**  
 Composition: **HYDROUS MAGNESIUM ALUMINUM SILICATE**  
 CAS Number: **8031-18-3\***  
 Synonyms: **FULLERS EARTH; MONTMORILLONITE; ATTAPULGITE**  
 DOT Listing: **NMFC 48170 CLAY, CRUSHED OR GROUND IN BAGS**

HAZARD RATING

4-EXTREME  
3-HIGH  
2-MODERATE  
1-SLIGHT  
0-INSIGNIFICANT

TOXIC

SPECIAL

## Section II - Hazardous Ingredients/Identify Information

PERMISSIBLE EXPOSURE	OSHA PEL	ACGIH TLV	OTHER LIMITS	REFERENCES
< 1% Respirable Crystalline Quartz	5.0 mg./M <sup>3</sup>	5.0mg./M <sup>3</sup>		
> 1% Respirable Crystalline Quartz	0.1 mg./M <sup>3</sup>	0.1mg./M <sup>3</sup>		
Max. Concentration of Respirable Crystalline Quartz			0.05mg./M <sup>3</sup>	NIOSH
			10mg/M <sup>3</sup> /7.5SiO <sub>2</sub> +2	

## Section III - Physical/Chemical Characteristics

Boiling Point	NA	Specific Gravity (H <sub>2</sub> O = 1)	1.5
Vapor Pressure (mm Hg.)	NA	Melting Point	NA
Vapor Density (AIR = 1)	NA	Evaporation Rate (Butyl Acetate = 1)	NONE

Solubility in Water: **INSOLUBLE**

Appearance and Odor: **ODORLESS, GRAY TO TAN COLORED GRANULES**

## Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) NONE	Flammable Limits NONE	LEL NONE	UEL NONE
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Extinguishing Media: **NOT FLAMMABLE**

Special Fire Fighting Procedures: **NONE REQUIRED**

Unusual Fire and Explosion Hazards: **NONE**

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid WHEN SOAKING UP HIGHLY OXIDIZABLE FLUIDS, HEAT MAY DEVELOP.
	Stable VERY	X	ALLOW MIX TO COOL BEFORE PLACING IN SEALABLE METAL CONTAINER.

Incompatibility (Materials to Avoid)  
CAN BE ATTACKED BY HYDROFLUORIC ACID

Hazardous Decomposition or Byproducts  
NONE

Hazardous Polymerization	May Occur		Conditions to Avoid NONE
	Will Not Occur	X	

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	YES	NO	NO

Health Hazards (Acute and Chronic)  
INHALATION OF RESPIRABLE CRYSTALLINE SILICA DUST CAN PRODUCE PROGRESSIVE SYMPTOMS RANGING FROM PULMONARY DISCOMFORT TO FIBROTIC CHANGES TO CHRONIC LONG DISEASE.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	NO	YES	NO

Signs and Symptoms of Exposure  
COUGH, LABORED BREATHING, WHEEZING, PULMONARY DISCOMFORT.

Medical Conditions Generally Aggravated by Exposure  
MAY ADVERSELY AFFECT EXISTING PULMONARY PROBLEMS OR INCREASE SUSCEPTIBILITY TO RESPIRATORY INFECTION.

Emergency and First Aid Procedures  
INHALATION: REMOVE TO FRESH AIR; IF ABOVE SYMPTOMS APPEAR, SEEK MEDICAL HELP.

EYES: FLUSH WITH WATER; IF PAIN OR IRRITATION PERSISTS, SEEK MEDICAL HELP.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled  
USE APPROVED DUST RESPIRATOR IF AIRBORNE CONCENTRATION EXCEEDS THE PEL/TLV.  
SWEEP UP OR VACUUM.

Waste Disposal Method  
DO NOT FLUSH DOWN DRAINS. DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

Precautions to Be Taken in Handling and Storing  
CONTROL AIRBORNE CONCENTRATIONS TO LEVELS BELOW THE PEL/TLV (1 mg/m<sup>3</sup>).

Other Precautions  
STORE IN DRY AREA OR UNDER COVER.

Section VIII - Control Measures

Respiratory Protection (Specify Type)  
USE NIOSH APPROVED RESPIRATORY PROTECTION IF DUST CONCENTRATION EXCEEDS PEL/TLV.

Ventilation	Local Exhaust VENTILATION MUST BE SUFFICIENT TO REDUCE THE LEVEL OF RESPIRABLE CRYSTALLINE SILICA TO A VALUE EQUAL TO OR BELOW THE PEL.
	Mechanical (General)

Protective Gloves OPTIONAL	Eye Protection ADVISABLE
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Other Protective Clothing or Equipment  
OPTIONAL

Work Hygienic Practices  
USE GOOD HOUSEKEEPING PRACTICES; FOLLOW PRECAUTIONS IN VII AND VIII ABC