OIL-DRI
CORPORATION OF AMERICA
410 North Michigan Avenue
Chicago, IL 60611

Material Safety Data Sheet

Granular Absorbent (#1003000)

☎ (312)321-1515, Information (800)424-9300, Emergency

1. PRODUCT IDENTIFICATION

MSDS Number: 1003000

Identity: Granular Absorbent

Issued: July 11, 2008

Chemical Name: Fullers Earth (attapulgite type) or montmorillonite or amorphous opaline silica

2. COMPOSITION

Component	CAS Number	Amount
Silica Hydrated (Amorphous Opaline Silica)	7631-86-9	90-100%
Fullers Earth	8031-18-3	80-90%
Montmorillonite	1302-78-9	90-93%
Quartz (crystalline silica)	14808-60-7	0-20% bulk

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This product is a non-combustible, chemically inert mineral. This mineral sample contains a small amount of naturally-occurring crystalline silica as quartz. Prolonged overexposure to respirable crystalline silica may cause lung disease (silicosis). IARC, in Monograph 68, has concluded that crystalline silica inhaled in the form of quartz from occupational sources is carcinogenic to humans (Group 1); however, carcinogenicity was not detected in all industrial circumstances studied. Because applications and exposure data indicate that exposure to respirable quartz in this product with normal use is well below the OSHA Permissible Exposure Limit (PEL) and ACGIH Threshold Limit Value (TLV); and because the company is not aware of any scientific or medical data available indicating that exposure to dust from this product under conditions of normal use will cause silicosis or cancer; adverse effects would not be expected from normal use of this product.

HEALTH HAZARDS

INGESTION: No adverse effects expected with unused material.

INHALATION: Inhalation of excessive concentrations of dust may cause irritation of mucous membranes and upper respiratory tract.

EYE: Contact may cause mechanical irritation and possible injury.

SKIN: No adverse effects expected.

SENSITIZATION: No adverse effects expected.

CHRONIC/CARCINOGENICITY:

Inhalation of excessive concentrations of any dust, including this material, may lead to lung injury. This product contains crystalline silica. Excessive inhalation of respirable crystalline silica may cause silicosis, a progressive, disabling and fatal disease of the lung. Symptoms may include cough, shortness of breath, wheezing and reduced pulmonary function. The International Agency for Research on Cancer (IARC), in Monograph 68 has concluded that crystalline silica inhaled in the form of quartz or cristobalite, from occupational sources is carcinogenic to humans (Group 1).

However, in making the overall evaluation, the Working Group noted that carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs. The National Toxicology Program (NTP) classifies crystalline silica as a known carcinogen. Because applications and exposure data indicate that exposure to respirable quartz in this product with normal use is well below the OSHA Permissible Exposure Limit (PEL) and ACGIH Threshold Limit Value (TLV); and because the company is not aware of any scientific or medical data available indicating that exposure to dust from this product under conditions of normal use will cause silicosis or cancer; adverse effects would not be expected from normal use of this product.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

None currently known.

4. FIRST AID MEASURES

EYE: Immediately flush eyes with cool running water, lifting upper and lower lids. If irritation persists or for foreign body in the eye, get immediate medical attention.

SKIN: None needed for normal use.

INGESTION: If used material is ingested, get medical attention due to possibility of chemical contamination. If large amount of unused material is swallowed, get immediate medical attention.

INHALATION: Remove to fresh air.

5. FIREFIGHTING MEASURES

FLASH POINT: This product is not combustible.

FLAMMABLE LIMITS Not applicable

EXTINGUISHING MEDIA:

Use media that is appropriate for surrounding fire.

UNUSUAL FIRE OR EXPLOSION HAZARDS:

None

SPECIAL FIREFIGHTING INSTRUCTIONS

None required.

HAZARDOUS COMBUSTION PRODUCTS:

None

6. ACCIDENTAL RELEASE MEASURES

Sweep up and collect for re-use or disposal

7. HANDLING AND STORAGE

HANDLING: Avoid breathing dust. If clothing becomes dusty, launder before re-use.

STORAGE: Store in a dry area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Component	Exposure Limit
Silica Hydrated (Amorphous Opaline Silica)	PEL - 5mg/m3 TWA (respirable dust) TLV - 3mg/m3 TWA (respirable fraction) TLV - 10mg/m3 TWA (inhalable dust)
Fullers Earth	PEL - 5 mg/m³ TWA (respirable fraction) TLV - 3 mg/m³ TWA (respirable fraction) TLV - 10 mg/m³ TWA (inhalable dust)
Montmorillonite	PEL - 5 mg/m³ TWA (respirable fraction) TLV - 3 mg/m³ TWA (respirable fraction) TLV - 10 mg/m³ TWA (inhalable dust)
Quartz (crystalline silica)	PEL - 10 mg/m³/%Si02+2 TWA TLV - 0.025 mg/m³ TWA

PEL- OSHA Permissable Exposure Limit. TLV- American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value. TWA- 8 hour Weighted Average. STEL-Short Term Exposure Limit.

ENGINEERING CONTROLS:

For operations where the exposure limit may be exceeded, local exhaust ventilation is recommended.

RESPIRATORY PROTECTION:

For operations where the exposure limit may be exceeded, a NIOSH/MSHA approved high efficiency particulate respirator is recommended.

SKIN PROTECTION: None required for normal use.

EYE PROTECTION: Safety glasses or goggles recommended.

OTHER: None required for normal use.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:

Gray to tan (or red) granules, no odor

PHYSICAL STATE: Solid

BOILING POINT: Not applicable

VAPOR PRESSURE: Not applicable

VAPOR DENSITY: Not applicable

SOLUBILITY IN WATER:
Insoluble

SPECIFIC GRAVITY: 2.2

pH: Not applicable

MELTING POINT: Not applicable

OCTANOL/WATER COEFFICIENT:
Not available

10. STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITY: Physical contact between this material and turpentine, hydrofluoric acid, vegetable oil or other unsaturated organic compounds (such as fish oil) may generate heat and/or fire. Do not use this material with these compounds.

HAZARDOUS DECOMPOSITION PRODUCTS
None

HAZARDOUS POLYMERIZATION:
Will not occur.

11. TOXICOLOGICAL INFORMATION

No data available.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state and federal environmental regulations. Unused material is suitable for disposal in sanitary landfill. Used material may be subject to regulation, depending on the nature of the material absorbed. Check with appropriate regulatory authority for used material containing hazardous waste.

14. TRANSPORT INFORMATION

PROPER SHIPPING NAME:
Not regulated

UN NUMBER: Not applicable

HAZARD CLASS/PACKING GROUP:
Not applicable

LABELS REQUIRED: None

15. REGULATORY INFORMATION

CERCLA/SUPERFUND None

SARA HAZARD CATEGORY (311/312): Chronic Health

SARA 313: None

TSCA: All of the components of this product are listed on the EPA TSCA Inventory or exempt from notification requirements.

EINECS: All of the components of this product are listed on the EINECS Inventory or exempt from notification requirements

EEC R&S Phrases: Not Classified as Dangerous under EEC Labeling Regulations

JAPAN MITI: All of the components of this product are existing chemical substances as defined in the Chemical Substances Control Law.

AICS: All of the components of this product are listed on the AICS Inventory or exempt from notification requirements

CANADIAN DSL: All of the components of this product are listed on the Canadian Domestic Substance List or exempt from notification requirements.

CA PROPOSITION 65: This product contains respirable crystalline silica which is known to the State of California to cause cancer.

16. OTHER INFORMATION

NFPA RATING: Health=1 Fire=0 Reactivity=0

HMIS RATING: Health=1* Fire=0 Reactivity=0

The information in this data sheet is believed to be accurate. However, each purchaser should make its own test to determine the suitability of the product for its purposes. OIL-DRI CORPORATION OF AMERICA MAKES NO WARRANTY, EXPRESSED OR IMPLIED, WITH RESPECT TO THE PRODUCT and assumes no responsibility for any risk or liability arising from the use of the information or the product. Statements about the product should not be construed as recommendations to use the product in infringement of any patent.

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APPENDIX. ASSOCIATED PRODUCTS

This MSDS applies to the following products:

Absorbs It
All Purpose 18/40
All Purpose 18/40 2426#
Associates Premium
Calcine 5/18 Red
Concentrate
Concept Absorbent
DOC Private
Dryden Generic
Exclusiva
Flor Dri GA Generic
GA A.P. Private Label
Ga Generic
Grey Calcined 5/30
Ground Clay 4/20 GW
Ground Clay 6/30 GB
Industrial Quick Sorb
Instant Dri Blue
Instant Dri Red
Japanese Floor Abs.
OD Premium Absorb
OD Premium Absorbent
O-D Sams Premium Poly
Off Shore Generic
Oil Dri 12/24 LVM
Oil Dri Allpurpose
Oil Dri Allpurpose 33 1/3
Oil Dri Industrial
Oil Dri Industrial Absorbent
Oil Dri Premium Poly Abs
Oil Dri Regular Absorbent Plain
Oil Dri U.S. Special
Oil Zorb
Oil Zorb Premium Abs
Oil-Dri Automotive Premium 4/10
Oil-Dri Premium Poly Abs
Pvl Heavy Duty Generic
Quick Sorb Pail
SND Standard GB
Super Clean A.P. 18/40
White Absorbent
White Absorbent-Pvl

Hanson
Material Service

MATERIAL SAFETY DATA SHEET

I. Material Identification And Use

Product Name: Dolomite, Indiana Ag Lime CAS#: 16389-88-1
Common Names: Carbonate of Calcium and Magnesium, Dolomitic Limestone
Chemical Name: $CaCO_3MgCO_3$
Product Use: Used in the aggregate, metallurgical and agricultural industries
Product may contain respirable silica particles. CAS#: 14808-60-7

II. Ingredients And Recommended Occupational Exposure Limits

Composition	Typical % Weight	Exposure Limits	
		OSHA PEL	ACGIH TLV
Mixture of Magnesium and Calcium Carbonate	97-99	15mg/m^3 Total Dust 5mg/m^3 Respirable Dust	10mg/m^3 Total Dust 5mg/m^3 Respirable Dust
Silica (Quartz)	0.1-2.0	0.1mg/m^3 TWA for Respirable Dust	0.1mg/m^3 TWA for Respirable Dust
Other Carbonate Minerals	<1.0		

III. Physical Data

Boiling Point: 1652ºF
Specific Gravity: 2.7-2.95
Vapor Pressure: N/A
Melting Point: N/A
Vapor Density: N/A
Evaporation Rate: N/A
Stability: Stable
Solubility in water: Negligible
Appearance: White to light gray – odorless solid

IV. Fire And Explosion Hazard Data

Flashpoint: N/A
Flammable Limits: N/A
Extinguishing Media: N/A
LEL: N/A UEL: N/A
Unusual Fire and Explosion Hazards: Limestone is neither a fire nor explosion hazard.

V. Reactivity Data

Stability: Stable
Conditions to Avoid: None
Hazardous Decomposition: None
Hazardous Polymerization: None
Incompatibles: Strong Acids

VI. Health Hazard Information

Dolomite is essentially a non-toxic material. The refined form of magnesium carbonate is added to foods as a mild alkali. It is also used in pharmaceuticals and cosmetics. Extremely high concentrations of dolomite dust are self-limiting due to the nuisance conditions it may create, causing coughing, sneezing and nasal irritation. Dolomite may contain small amounts of respirable silica particles. Silica is capable of causing silicosis if inhaled in high enough concentrations over an extended period of time. Exposure to excessive concentrations may aggravate pre-existing respiratory conditions.

Carcinogenicity: None Identified

Routes of Entry: Inhalation? YES Skin? NO Ingestion? YES

Emergency and First Aid Procedures:

Eyes – Not anticipated to pose an acute or significant hazard. If irritation occurs, flush eye with large amounts water.

Inhalation – Not anticipated to pose an acute or significant inhalation hazard. If irritation occurs, remove to an area of fresh air.

Ingestion – Not considered and ingestion hazard.

Skin Contact – Not anticipated to pose an acute or significant hazard. If skin Skin is previously irritated wash area with plenty of soap and water for at least 15 minutes.

VII. Precautions For Safe Handling And Use

Respirable dust may be generated during processing, handling, and storage.
Spillage, where dust may be generated, may overexpose cleanup personnel to respirable dust. Wetting of the material and/or use of respiratory protective equipment may be necessary. Avoid dry sweeping.
Waste Disposal Method: Dispose of material in accordance with Federal, State, and Local regulations.

VIII. Control Measures

Ventilation: Local exhaust or general ventilation adequate to maintain exposures below appropriate exposure limits.

Eye and Skin Protection: Wear long sleeve shirt and pants, Safety goggles and proper gloves.

Respiratory Protection: A respirator with dust/mist filter is recommended. If airborne concentration exceeds TLV, a self-contained breathing apparatus is advised.

UPDATED: August 28, 2002

Material Service Corporation
Safety Department