BUILDING VISION AND VARIETY

Date: 1/1/2020

Product Code

SAFETY DATA SHEET

1. Identification

Product Name: PURE-FLO® B-80 Bleaching Earth

Product Code: B80

SDS Date: 1/1/2020

Address: BVV
1251 Frontenac Rd. Ste 150
Naperville IL 60563

Phone: (331) 281-0154

CHEMTEL: (800) 255-3924

2. Hazard(s) Identification

Classification of the Mixture:

This product is a non-combustible, chemically inert mineral. This product contains <1% respirable silica. Prolonged overexposure to respirable crystalline silica may cause lung disease (silicosis). 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. Adverse effects would not be expected from normal use of this product.

GHS Hazard Classification

The substance does not meet the criteria for hazardous substances

Hazard Statement

None Applicable

Prevention Statement

None Applicable

Response Statement

None Applicable

Storage Statement

None Applicable

Disposal Statement

None Applicable

Hazards Not Otherwise Classified: None.

3. Composition/Information On Ingredients

Name	CAS#	EINECS#	%	GHS Classification

Fullers Earth and Bentonite Clay – Contains Quartz Respirable silica <1%	8031-18-3 / 1302-78-9	Not Applicable / 215-108-5	100%	Not applicable

4. First-aid Measures

If Inhaled:

Remove to fresh air

In Case of Skin Contact:

None needed for normal use.

In Case of Eye Contact:

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.

If Swallowed:

If large amount of unused material is swallowed, get medical attention.

Most Important Symptoms and Effects, Both Acute and Delayed:

Eye contact may cause mechanical irritation and possible injury. Inhalation of excessive concentrations of dust may cause irritation of mucous membranes and upper respiratory tract.

Indications of Any Immediate Medical Attention and Special Treatment Needed:

None known

5. Fire-fighting Measures

Extinguishing Media:

Use media that is appropriate for surrounding fire.

Special Hazards Arising from the Chemical:

Unusual Fire and Explosion Hazards: None
Hazardous Decomposition Products: None

Special Firefighting Procedure:

None required.

6. Accidental Release Measures

Methods and Material for Containment and Cleaning Up:

Sweep up and collect for re-use or disposal

Environmental Precautions:

None known

Methods and Material for Containment and Cleaning Up:

Wear appropriate protective equipment.

7. Handling and Storage

Specific End Use(s):

Bleaching of edible oils

	Bleaching of edible oils.
Safe Handling:	Avoid breathing dust. If clothing becomes dusty, launder before re-use.
Safe Storage:	Store in a dry area.

8. Exposure Controls/Personal Protection

Name	Exposure Limits
Fullers Earth and Bentonite Clay	4 mg/m³ TWA DFG MAK (inhalable fraction) 1.5 mg/m³ TWA DFG MAK (respirable fraction) 4 mg/m³ TWA UK WEL (respirable dust) (as dust) 10 mg/m³ TWA UK WEL (inhalable dust) (as dust)
Quartz	0.025 mg/m³ TWA ACGIH TLV 0.1 mg/m³ TWA UK WEL

Eye/Face Protection:	Safety glasses or goggles recommended
Skin Protection:	None required for normal use.
Respiratory Protection:	For operations where the exposure limit may be exceeded, an approved high efficiency particulate respirator is recommended.
Exposure Controls:	For operations where the exposure limit may be exceeded, local exhaust ventilation is recommended.

9. Physical and Chemical Properties

Physical State:	Fullers Earth and Bentonite Clay	Powder
Odor:	Fullers Earth and Bentonite Clay	Odorless
Odor Threshold (PPM):	Fullers Earth and Bentonite Clay	No Data Available
Appearance/Color:	Fullers Earth and Bentonite Clay	Gray to tan powder
pH:	Fullers Earth and Bentonite Clay	<7.8
Melting/Freezing Point (°F)	Fullers Earth and Bentonite Clay	Not Applicable
Boiling Point (°F)	Fullers Earth and Bentonite Clay	Not Applicable
Flash Point (°F)	Fullers Earth and Bentonite Clay	Not Applicable
Evaporation Rate (nBuAc=1)	Fullers Earth and Bentonite Clay	Not Applicable
Flammability (solid/gas)	Fullers Earth and Bentonite Clay	Not Applicable
Flammable Limits (in air by volume, %)	Fullers Earth and Bentonite Clay	Not Applicable
Vapor Pressure (mmHg)	Fullers Earth and Bentonite Clay	Not Applicable
Vapor Density (Air=1)	Fullers Earth and Bentonite Clay	Not Applicable
Relative Density	Fullers Earth and Bentonite Clay	Not Applicable
Solubility in Water (%)	Fullers Earth and Bentonite Clay	Insoluble

Partition Coefficient: n-octanol water	Fullers Earth and Bentonite Clay	Not Available
Autoignition Temperature	Fullers Earth and Bentonite Clay	Not Applicable
Decomposition Temperature	Fullers Earth and Bentonite Clay	Not Applicable
Viscosity	Fullers Earth and Bentonite Clay	Not Applicable
Explosive Properties	Fullers Earth and Bentonite Clay	No Data Available
Oxidizing Properties	Fullers Earth and Bentonite Clay	No Data Available
Specific Gravity 4°c (Water=1)	Fullers Earth and Bentonite Clay	2.2

10. Stability and Reactivity

Reactivity:	Not Reactive
Chemical Stability:	Stable
Possibility of Hazardous Reactions:	Will Not Occur
Conditions to Avoid:	Not Applicable
Incompatible Materials:	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 without following the disposal considerations in Section 13.
Hazardous Decomposition Products:	None

11. Toxicological Information

Toxicity Data:	
Information on Toxicological Effects:	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 MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None currently known.
Irritancy of Product:	Fullers Earth and Bentonite Clay may cause mechanical eye irritation with possible injury.
Sensitization of Product:	This product is not expected to cause sensitization
Germ Cell Mutagenicity:	No specific data is available. This product is not expected to present a germ cell mutagenicity hazard.
Carcinogenicity:	No toxicity data available. The substance does not meet the criteria for a carcinogen under Regulation (EC) No 1272/2008.
Reproductive:	No specific data is available. Not expected to affect reproduction or development.
Acute Toxicity Values:	Fullers Earth and Bentonite Clay: No toxicity data available
Corrosivity:	This is not a corrosive product.

Repeat Dose Toxicity:	No toxicity data available. Inhalation of excessive concentrations of any dust, including this material, may lead to lung injury. This product contains <1% respirable 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.

12. Ecological Information

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

Toxicity	This is a naturally occurring mineral and is not expected to have any effects on the environment.
Persistence and Degradability	This product is not degradable but not hazardous to the environment.
Bioaccumulative Potential	Not bioaccumulative.
Mobility in Soil	Not applicable
Results of PBT and vPvB assessment	Not required.
Other Adverse Effects	Not known

13. Disposal Considerations

Unused material is suitable for disposal in sanitary landfill. Without proper precautions, spent bleaching clay used in bleaching fats and edible oils or with other unsaturated organic compounds is known to spontaneously combust. Procedures for handling spent clay follow: Landfills: To suppress spontaneous combustion, heat can be dissipated by spreading out the clay and/or spraying with water. Cover spent clay with non-combustibles. Plant Use: When purging the filter cake of excess oil before cleaning the filter press, excessive blowing with air can cause spontaneous combustion. To eliminate this risk, either use nitrogen or limit blowing with air. When purging the filter cake with steam, it is recommended that you not follow the steam purging with air blowing.

14. Transportation Information

Proper Shipping Name:	Not Regulated
Hazard Class	Not Regulated
Identification Number:	Not Regulated
Packing Group:	Not Regulated
Label	Not Regulated
Ship:	Not Regulated

15. Regulatory Information

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

16. Other Information, Including Date of Preparation or Last Revision

SDS Date:

Disclaimer: 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