

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Supreme™ 55

SDS Number: 5002800

| | |
|--|--|
| Manufacturer: | Oil-Dri Corporation of America 410 North Michigan Avenue Chicago, IL 60611 +1-312-321-1515 |
| Canadian Office: | Oil-Dri Canada 730 Rue Salaberry Laval, QC H7S 1H3 Canada +1-450-663-5750 |
| TRANSPORTATION EMERGENCY INFORMATION: | US and Canada - CHEMTREC® +1-800-424-9300 International - OD Customer Service +1-800-233-9802 |

Product Use: Edible Oil Bleaching Clay

Restrictions On Use: Spent bleaching earth (bleaching earth used to process unsaturated vegetable oil, or other unsaturated organic compounds, such as fish oil), needs to be treated properly, as described in Section 13, in order to prevent generation of heat and/or fire. Spent bleaching earth from saturated oils, such as palm oil, does not have to follow these restrictions on use. Do not combine with Hydrofluoric Acid.

2. HAZARDS IDENTIFICATION

GHS Classification:

Health: Specific Target Organ Toxicity - Single Exposure - Category 3

Environmental: Not Hazardous

Physical: Not Hazardous

GHS Labeling:

Pictogram:



Exclamation mark

DANGER!

H335 - May cause respiratory irritation.

Prevention: P261 - Avoid breathing dust

P271 Use only outdoors or in a well-ventilated area.

Response: P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Storage: Store in a dry area.

Disposal: P501 Dispose of contents/container in accordance with all local and national regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No. / EINECS-No | % |
|---------------------------------------|---------------------|-------|
| Fullers Earth (Attapulgite-type clay) | 8031-18-3 | <100% |
| Sulfuric Acid | 7664-93-9 | <5% |

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If irritation or other symptoms occurs, get medical attention.

Skin contact: No first aid should be needed.

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 medical attention.

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.

Most Important symptoms and effects, both acute and delayed: Eye contact may cause mechanical irritation and possible eye injury. May cause mechanical skin and respiratory irritation.

Indication of any immediate medical attention and special treatment needed: No immediate medical attention is required.

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media: Use media that is appropriate for surrounding fire; unused product is not combustible.

Specific Hazards Arising from the Chemical: No specific hazards are known.

Special Protective Equipment and Precautions for Fire-fighters: Firefighters should always wear self-contained breathing apparatus and full protective clothing for fires involving chemicals or in confined spaces.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: No special equipment is generally required for spill clean-up. For dusty conditions, an approved respirator may be needed. Refer to Section 8 for additional information.

Environmental Hazards: Report releases as required by local and federal regulations.

Methods and Materials for Containment and Cleaning Up: Sweep up and collect unused material for re-use or disposal. For dusty conditions, an approved respirator may be needed. Refer to Section 8 for additional information.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Wash thoroughly with soap and water after use. If clothing becomes dusty, launder before re-use. Use only with adequate ventilation. Minimize the generation and accumulation of dust. Follow good housekeeping practices to keep surfaces, including areas overhead such as piping, drop ceilings, ductwork, etc. free from settled dust. Dry powders can build static electricity charges when subjected to friction of transfer and in mixing operations.

Conditions for Safe Storage, including any Incompatibilities: Store in a dry area. Keep away from turpentine, hydrofluoric acid, vegetable oil, and other unsaturated organic compounds (such as fish oil), as this may generate heat and/or fire.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s)

| Chemical Name | Exposure limit(s) |
|---------------------------------------|--|
| Fullers Earth (Attapulgite-type clay) | 15 mg/m ³ (total dust) TWA OSHA PEL 5 mg/m ³ (respirable dust) TWA OSHA PEL |
| Sulfuric Acid | 0.2 mg/m ³ (thoracic fraction) TWA ACGIH TLV 1 mg/m ³ TWA OSHA PEL |

Appropriate Engineering Controls: General ventilation is adequate for normal use. If handling produces airborne dust, local exhaust ventilation may be needed.

Individual Protection Measures, such as Personal Protective Equipment:

Eye Protection: Safety goggles if needed to prevent eye contact.

Skin Protection: No special skin protection needed for normal use.

Respiratory Protection: No respiratory protection required for normal use. For operations where the dust concentration may be excessive, a dust respirator may be used. Follow OSHA regulations in the selection and use of respiratory protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

| Property | Value |
|---|--|
| Appearance: | Gray to tan powder, odorless |
| Odor Threshold: | Not applicable. |
| Boiling point/range | Not applicable. |
| Melting point/range | Not available |
| Relative density | 2.2 |
| Vapor pressure | Not applicable. |
| Vapor density (air=1) | Not applicable. |
| Solubility | Partially soluble |
| pH | 2-5 |
| Partition coefficient (n-octanol/water): | Not available |
| Evaporation Rate (Butyl acetate=1) | Not applicable. |
| Viscosity: | Not applicable. |
| Volatile Organic Carbon Compounds (VOC) (g/L) | Not available |
| Flashpoint: | Not applicable. |
| Flammable Limits in Air % by Volume: | LEL (Lower): Not applicable. UEL (Upper): Not applicable. |
| Autoignition temperature: | Not available |
| Decomposition temperature: | Not available |
| Flammability (solid, gas): | Not flammable |

10. STABILITY AND REACTIVITY

Reactivity: Not normally reactive.

Chemical Stability: Stable

Possibility of Hazardous Reactions: Spontaneous combustion can occur when this product is used to absorb turpentine, vegetable oil or other unsaturated organic compounds (such as fish oil). Do not use this material with these compounds without proper procedures, as described in Section 13. Spontaneous combustion can occur when this product is used to absorb hydrofluoric acid; do not use this product with hydrofluoric acid.

Conditions to Avoid: No conditions to avoid have been established.

Incompatible Materials: Turpentine, hydrofluoric acid, vegetable oil, fish oil, unsaturated organic compounds.

Hazardous Decomposition Products: No hazardous decomposition products.

11. TOXICOLOGICAL INFORMATION

Potential Health Effects:

Acute Hazards:

Inhalation: Inhalation of dust may cause irritation to the eyes, nose, throat and respiratory tract.

Skin contact: No known skin contact effects.

Eye contact: Contact may cause mechanical, abrasive irritation with possible injury.

Ingestion: No known ingestion hazard.

Chronic Effects: Inhalation of excessive concentrations of any dust, including this material, may lead to lung irritation and/or injury.

Carcinogenicity Listing: No carcinogenicity listing.

Acute Toxicity Values: No acute toxicity values.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available for the product. No adverse effects on the environment are expected.

Persistence and Degradability: Fuller's Earth is non-degradable.

Bioaccumulative Potential: Not bioaccumulative.

Mobility in Soil: No data available for the product.

Other Adverse Effects: No other adverse effects are known.

13. DISPOSAL CONSIDERATIONS

Unused material is suitable for disposal in sanitary landfill. Used material may be subject to regulation, depending on the nature of the material absorbed. Dispose in accordance with local, state and federal environmental regulations. 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 as follows: 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 do not follow the steam purging with air blowing.

14. TRANSPORT INFORMATION

US DOT Shipping Description: Not regulated

IATA Shipping Description (Air): Not regulated

Proper Shipping Name: Not regulated

UN Number: Not applicable.

Packing Group: Not applicable.

Labels Required: No labels are required.

15. REGULATORY INFORMATION

US Regulations

SARA 311/312 Hazard Categories: Chronic Health

SARA 313 This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under the SARA Section 313 (40 CFR 372): No SARA 313 chemicals.

SARA 302 Listed Chemicals: No SARA 302 chemicals.

CERCLA: Spills of this product over the RQ (reportable quantity) must be reported to the National Response Center. The RQ for the product, based on the RQ for Sulfuric Acid (5% maximum) of 1000 lbs, is 20,000 lbs. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

California Proposition 65: This product contains a chemical (quartz) known to the state of California to cause cancer. Quartz is a form of crystalline silica.

EPA Toxic Substances Control Act (TSCA): All of the components of this product are listed on the TSCA Inventory or exempted from TSCA.

International Regulations:

EU REACH: Contact Oil Dri for information on REACH status.

Japan MITI: No Japan MITI data available.

AICS: No AICS data available.

16. OTHER INFORMATION

Date Prepared: 06 September 2018

Revision Summary: May 29, 2015 - Conversion to Hazcom 2012 classification and labeling and format.

November 5, 2015 - Section 1 Restrictions on Use

March 15, 2016 - Section 1

December 1, 2016 - Section 15

May 1, 2017 - Section 1

August 2, 2018 - Section 1 Emergency Contact Information

HMIS Rating: Health 0 Fire 0 Reactivity 0

0 = Minimal Hazard, 1 = Slight Hazard, 2 = Moderate Hazard, 3 = Serious Hazard, 4 = Severe Hazard

The information contained herein is true and correct to the best of Oil-Dri Corporation of America's knowledge. However, no warranty, expressed or implied, is made. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulations. Final determination of the suitability of the material is the sole responsibility of the user.