

QUALITY ASSURANCE MANAGEMENT SYSTEM

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Doc.No.002Q CALSORB Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Calsorb

Product description: Dried attapulgite, a magnesium-aluminium phyllosilicate. This is a high

absorption material with a particle size raging from 1.8 – 0.5 mm.

Manufacturer: Matutu Milling

PO Box 10090 Dalview, 1544

Telephone: +27 11 824 4600

2. COMPOSTION / INFORMATION ON INGREDIENTS

Chemical and common Name: Attapulgite, Palygorskite or Fuller's Earth.

CAS Registry Number: 12174-11-7

Hazardous Components: Attapulgite <95%

Calcite <10% Silica <5%

3. HAZARDS IDENTIFICATION

Eye contact: Causes slight ritation to the eyes due to the dust particles.

Skin contact: None

Inhalation: Inhalation over a long period of time in excessive amounts might cause

harmful irritation.

Ingestion: None.

Chronic hazards: No known chronic hazards. Not listed as a carcinogen.

Flammability: Non-flammables and non-combustible.

Biological hazard: None.

4. FIRST AID MEASURES

Eye: In case of contact, immediately flush eyes with plenty of water. If

particles are not removed by washing out, refer to a medical

professional.

Skin: Not harmful.

Inhalation: Induce coughing.

5. FIRE FIGHTING MEASURES

Flammable limits: This material is non-combustible, non-flammable and is therefore not a

fire hazard.

Fire-fighting

equipment: None.

6. ACCIDENTAL RELEASE MEASURES



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Personal protection: Wear eye protection, dust masks / respirators in windy conditions.

Environmental

Hazards: Product is inert and thus does not present any hazard to the

environment.

Small spill clean up: Dampen with water then mop or sweep up to avoid releasing

excessive dust in the clean up of spilled material.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes and damage to packaging.

Follow correct housekeeping procedures.

Storage: As above, keep sealed and avoid moisture and contact with liquids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Use with adequate ventilation in areas where method might result in

an excessivley dusty environment.

Respiratory protection: Use an approved dust (Type FFP2 or SABS approved) and / or

respirator.

Skin protection: None required.

Eye protection: Wear eye protection or full face respirator (SABS approved).

Hand protection: None required.

Exposure Limits: Time Weighted Average (TWA) in 8 hours is 15mg/m³ limits for total

dust and the TWA limit value is 5 mg/m³ for respirable dust.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Tan coloured granules.

Colour: Tan.

Odour: Odourless

Melting point: Approximately 1710 °C
Water absorption: Approximately 100 %
Oil absorption: Approximately 0.85 Kg/Kg

Bulk density: 723 - 725 Kg/m³

Specific gravity: 2.3 -2.5 g/cm³ (20 °C), 36.5 °Bé.

Solubility in water: Less than 1 % pH: 9.0 – 10.0

10. STABILITY AND REACTIVITY

Stability: This material is stable and inert.



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11. TOXICOLOGICAL INFORMATION

Routes of entry: Inhalation, Indigestion.
Toxicity to animals: LD50: Not available I C50: Not available

Chronic effects on

Humans: Carcinogenic effects: Classified 2B (Possible for human).

May cause damage to the following organs: Lungs, upper respiratory tract.

12. ECOLOGICAL INFORMATION

Attapulgite is a naturally occuring mineral which is non-toxic, and therefore not harmful to fauna and flora. Attapulgite is non-biodegradeable, but as an inert product it does not pose any threat to the environment.

13. DISPOSAL CONSIDERATIONS

Classification: Disposed material is not a RCRA hazardous waste.

Disposal Method: Dispose in accordance with governmental and local regulations and

permits.

14. TRANSPORT INFORMATION

This material is not regulated as a hazardous material for transportation.

Freight classification: NMFC 48250 Class 55

15. REGULATORY INFORMATION

Occupational Health and Safety ACT No. 85 of 1993

Hazardous Chemical Substances Guideline No. 36 – Dusts – (OHSACT)

R-Phrases: R48/20 -Harmful: danger of serious damage to health by prolonged exposure through

inhalation