

Revised 17 April 2023

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name: Oil-Dri Absorbent, British Granules Plain
Product Description: Absorbent
Chemical Name: Calcium sulphate dihydrate (gypsum)
CAS Number: 10101-41-4
EC Number: 600-148-1
REACH Registration Number: A REACH registration number is not available for this substance as the substance or its uses are exempted from registration, or the annual tonnage does not require a registration.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture: Absorbent material
Use advised against: No information available

1.3 Details of the supplier of the safety data sheet

Name of Supplier: Oil-Dri (UK) Ltd
Address of Supplier: Bannisters Row
Wisbech
Cambridgeshire
PE13 3HZ
UK
Telephone: +44 (0) 1945 581244
Email: sales@oil-dri.co.uk

1.4 Emergency telephone number

Emergency Telephone: +44 (0) 1945 581244
08:00 – 17:00 Monday – Friday (except UK bank holidays)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Not classified
Additional information: For full text of Hazard- and EU Hazard-statements: see section 16

2.2 Label elements

Hazard pictograms: None
Signal Word: None

Hazard statements

None

Precautionary statements

None

Supplemental Hazard information (EU)

EUH210 - Safety data sheet available on request.

2.3 Other hazards

The product gives potential for generation of respirable dust during handling and use. Dust may contain respirable crystalline silica. Prolonged inhalation of respirable dust may cause lung fibrosis. Principal symptoms of lung fibrosis are cough and breathlessness. Occupational exposure to respirable dust and

SECTION 2: Hazards identification (....)

respirable crystalline silica should be monitored and controlled. Repeated inhalation of excessive amounts of respirable silica may cause silicosis.

Not a PBT according to REACH Annex XIII

Not a vPvB according to REACH Annex XIII

Has not been identified as having endocrine disrupting properties

SECTION 3: Composition/information on ingredients

3.1 Substances

| Chemical Name | Conc. | CAS No. | EC No. | Classification (REGULATION (EC) No 1272/2008) [CLP/GHS] | SCL/ M-Factor/ ATE | REACH Registration Number | WEL/ OEL |
|-------------------------------------|--------------|------------|-----------|---|--------------------|---------------------------|----------|
| Calcium sulphate dihydrate (gypsum) | 97.5 - 100 % | 10101-41-4 | 600-148-1 | Not classified | - | - | Yes |

* Natural constituents include clay, limestone and quartz (SiO₂, crystalline silica)

3.2 Mixtures

Not applicable

SECTION 4: First aid measures

4.1 Description of first aid measures

Rescuers should put on approved personal protective equipment (PPE) before administering first aid
Rescuers should take suitable precautions to avoid becoming casualties themselves

Contact with eyes

If substance has got into eyes, immediately wash out with plenty of water for several minutes
Remove contact lenses, if present and easy to do. Continue rinsing.
Irrigate eyes thoroughly whilst lifting eyelids
If eye irritation persists: Get medical advice/attention.

Contact with skin

Wash affected area with plenty of soap and water
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice/attention.

Ingestion

Give plenty of water to drink
Never give anything by mouth to an unconscious person
Do not induce vomiting unless directed by medical personnel.
Get medical advice/attention if you feel unwell.

Inhalation

Remove person to fresh air and keep comfortable for breathing.
Keep warm and at rest, in a half upright position. Loosen clothing
If breathing is difficult, oxygen should be given by a trained person
Apply artificial respiration only if patient is not breathing
IF exposed or concerned: Call a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Contact with eyes

May cause redness and irritation

SECTION 4: First aid measures (....)

Contact with skin

May cause skin irritation

Ingestion

May cause irritation of the throat

Inhalation

Dust may cause respiratory irritation.

Long term exposure to crystalline silica can cause silicosis

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

Unsuitable extinguishing media: No information available

5.2 Special hazards arising from the substance or mixture

Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains.

Prevent fire extinguishing water from contaminating surface or ground water.

Decomposition products may include sulphur oxides and calcium oxides

5.3 Advice for firefighters

Clothing for firefighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents

Wear self-contained breathing apparatus (SCBA)

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions for non-emergency personnel: Do not breathe dust; Avoid contact with skin and eyes; Wash thoroughly after dealing with spillage; Remove contaminated clothing

Personal precautions for emergency responders: Wear suitable protective clothing, including eye/face protection and gloves (butyl rubber are recommended); See section(s): 8

6.2 Environmental precautions

Do not allow to enter public sewers and watercourses

6.3 Methods and material for containment and cleaning up

Avoid formation of dust

Wash thoroughly after dealing with spillage

Small spills

Wipe up spillage with damp absorbent cloth or towel

Wash spill site with water and detergent

Large spills

Damp down to avoid dust generation

Use vacuum cleaner to collect spilled material

Collect as much as possible in clean container for reuse or disposal

Remove contaminated material to safe location for subsequent disposal

6.4 Reference to other sections

SECTION 6: Accidental release measures (....)

See section(s): 7, 8 & 13 for more information

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes
Do not breathe dust
Use only outdoors or in a well-ventilated area.
No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust mask
Wear protective clothing as per section 8
Use good personal hygiene practices
Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated place
Keep container tightly closed.
Substance is hygroscopic
Protect from moisture.
Keep away from oxidising substances
Keep away from food, drink and animal feedingstuffs

7.3 Specific end use(s)

No information available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace exposure - Measurement of exposure by inhalation to chemical agents - Strategy for testing compliance with occupational exposure limit values). European Standard EN 14042 (Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents). European Standard EN 482 (Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents). Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Occupational exposure to respirable crystalline silica dust should be monitored and controlled

Calcium sulphate dihydrate

WEL (long term) 10 mg/m³ (UK, inhalable dust)
WEL (long term) 4 mg/m³ (UK, respirable dust)
DNEL (inhalational) 21.17 mg/m³ Industry, Long Term, Systemic Effects
PNEC (STP) 100 mg/L

Crystalline silica

(EU) IOELV (long term TWA) 0.1 mg/m³
WEL (long term) 0.1 mg/m³ (UK)

Limestone

WEL (long term) 10 mg/m³ (UK, inhalable dust)
WEL (long term) 4 mg/m³ (UK, respirable dust)

8.2 Exposure controls

SECTION 8: Exposure controls/personal protection (....)

Selection and use of personal protective equipment should be based on a risk assessment of exposure potential

Engineering controls

If practicable, engineering controls should be provided where airborne concentrations exceed exposure limits

Use local exhaust ventilation and/or enclosures.

Respiratory protection

No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust mask

Use type FFP2 (EN 143) dust masks

Skin protection

Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.

The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.

Butyl rubber or nitrile rubber are recommended

Eye/face protection

Wear safety glasses approved to standard EN 166.

Thermal hazards

Not applicable

Hygiene measures

Wash thoroughly after handling.

Eyewash bottles should be available

Contaminated work clothing should not be allowed out of the workplace.

Contaminated clothing should be laundered before reuse

Environmental exposure controls

Do not empty into drains

Do not flush spilt material into any public water system

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Solid (granules)

Colour: White

Odour: None

Melting point/freezing point: 1460 °C

Boiling point or initial boiling point and boiling range: No information available

Flammability: Not flammable

Lower and upper explosion limit: Not applicable

Flash point: Not applicable

Auto-ignition temperature: No information available

Decomposition temperature: No information available

pH: 7

Kinematic viscosity: Not applicable

Solubility: 2.4 - 2.7 g/L @ 20 °C

Partition coefficient n-octanol/water (log value): No information available

Vapour pressure: No information available

Density and/or relative density: 2.96 g/cm³

Relative vapour density: No information available

Particle characteristics: No information available

SECTION 9: Physical and chemical properties (....)

9.2 Other information

Molecular formula: $\text{CaO}_4\text{S} \cdot 2\text{H}_2\text{O}$

Molecular weight: 172.17 g/mol

Bulk Density: 801 kg/m³

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available

10.2 Chemical stability

Considered stable under normal conditions

10.3 Possibility of hazardous reactions

No information available

10.4 Conditions to avoid

Avoid extremes of temperature

Keep away from moist air or water

10.5 Incompatible materials

Incompatible with oxidizing substances

10.6 Hazardous decomposition products

Decomposition products may include sulphur oxides and calcium oxides

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute Toxicity

Based on available data, the classification criteria are not met

Substances

| Chemical Name | LD ₅₀ (oral, rat) | LC50 (inhalation, rat) | LD ₅₀ (dermal, rabbit) |
|-------------------------------------|---------------------------------|---------------------------|--------------------------------------|
| Calcium sulphate dihydrate (gypsum) | > 2 000 mg/kg | No data available | No data available |

Skin corrosion/irritation

Based on available data, the classification criteria are not met

Substances

| Chemical Name | Irritation/corrosion |
|-------------------------------------|----------------------|
| Calcium sulphate dihydrate (gypsum) | No data available |

Serious eye damage/irritation

Based on available data, the classification criteria are not met

Substances

| Chemical Name | Irritation/corrosion |
|-------------------------------------|----------------------|
| Calcium sulphate dihydrate (gypsum) | No data available |

SECTION 11: Toxicological information (....)

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met

Substances

| Chemical Name | Skin sensitisation | Respiratory sensitisation |
|-------------------------------------|--------------------|---------------------------|
| Calcium sulphate dihydrate (gypsum) | No data available | No data available |

Germ cell mutagenicity

Based on available data, the classification criteria are not met

Quartz (crystalline silica) is listed in Annex III of REACH as # Suspected mutagen: The outcome in CTA assay is positive according to ISSCTA

Substances

| Chemical Name | Toxicity - In Vitro | Toxicity - In Vivo |
|-------------------------------------|---------------------|--------------------|
| Calcium sulphate dihydrate (gypsum) | No data available | No data available |

Carcinogenicity

Quartz (crystalline silica) is listed in Annex III of REACH as # Suspected carcinogen: IARC monographs classified the substance as carcinogenic or probably/possibly carcinogenic
Crystalline silica in the form of quartz or cristobalite dust is carcinogenic to humans (Group 1). (IARC Monograph 100C, 2012)

Exposure in high concentrations or over prolonged periods of time can lead to lung disease (silicosis) and an increased risk of lung cancer

Substances

| Chemical Name | NOAEL (oral, rat) | NOAEC (inhalation, rat) | NOAEL (dermal, rat) |
|-------------------------------------|-------------------|-------------------------|---------------------|
| Calcium sulphate dihydrate (gypsum) | No data available | No data available | No data available |

Reproductive toxicity

Based on available data, the classification criteria are not met

Substances

| Chemical Name | NOAEL (oral, rat) | NOAEC (inhalation, rat) | NOAEL (dermal, rat) |
|-------------------------------------|-------------------|-------------------------|---------------------|
| Calcium sulphate dihydrate (gypsum) | No data available | No data available | No data available |

Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met

Substances

| Chemical Name | Route | Remarks |
|-------------------------------------|-------------|-------------------|
| Calcium sulphate dihydrate (gypsum) | Respiratory | No data available |

Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met

SECTION 11: Toxicological information (....)

Substances

| Chemical Name | NOAEL (oral, rat) | NOAEC (inhalation, rat) | NOAEL (dermal, rat) |
|-------------------------------------|-------------------|-------------------------|---------------------|
| Calcium sulphate dihydrate (gypsum) | No data available | No data available | No data available |

Aspiration hazard

Based on available data, the classification criteria are not met

Contact with eyes

May cause redness and irritation

Contact with skin

May cause skin irritation

Ingestion

May cause irritation of the throat

Inhalation

Dust may cause respiratory irritation.

Long term exposure to crystalline silica can cause silicosis

11.2 Information on other hazards

Has not been identified as having endocrine disrupting properties

SECTION 12: Ecological information

12.1 Toxicity

Based on available data, the classification criteria are not met

Substances

| Chemical Name | LC ₅₀ (fish) | EC ₅₀ (aquatic invertebrates) | EC ₅₀ (aquatic algae) |
|-------------------------------------|-------------------------|--|----------------------------------|
| Calcium sulphate dihydrate (gypsum) | (4 days) > 100 mg/L | (48 h) > 100 mg/L | (72 h) > 100 mg/L |

12.2 Persistence and degradability

Not applicable, inorganic

Substances

| Chemical Name | Biodegradation |
|-------------------------------------|-------------------|
| Calcium sulphate dihydrate (gypsum) | No data available |

12.3 Bioaccumulative potential

Bioaccumulation is not expected

Substances

| Chemical Name | Bioconcentration Factor (BCF) | Log Kow |
|-------------------------------------|-------------------------------|-------------------|
| Calcium sulphate dihydrate (gypsum) | No data available | No data available |

12.4 Mobility in soil

No information available

SECTION 12: Ecological information (....)

Substances

| Chemical Name | Adsorption/desorption |
|-------------------------------------|-----------------------|
| Calcium sulphate dihydrate (gypsum) | No data available |

12.5 Results of PBT and vPvB assessment

Not a PBT according to REACH Annex XIII
Not a vPvB according to REACH Annex XIII

12.6 Endocrine disrupting properties

Has not been identified as having endocrine disrupting properties

12.7 Other adverse effects

No information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Uncontaminated material may be returnable. Contact supplier
Do not flush spilt material into any public water system
Do not discharge into drains or the environment, dispose to an authorised waste collection point
Disposal should be in accordance with local, state or national legislation

13.2 Classification

The waste must be identified according to the List of Wastes (2000/532/EC)
Hazardous Property Code(s): None assigned

SECTION 14: Transport information

Not classified as hazardous for transport

14.1 UN number or ID number

UN No.: Not applicable

14.2 UN proper shipping name

Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

Hazard Class: Not applicable

14.4 Packing group

Packing Group: Not applicable

14.5 Environmental hazards

Not classified

14.6 Special precautions for user

No special precautions are required for this product

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

14.8 Road/Rail (ADR/RID)

SECTION 14: Transport information (....)

Proper Shipping Name: Not applicable
ADR UN No.: Not applicable
ADR Hazard Class: Not applicable
ADR Packing Group: Not applicable
Tunnel Code: Not applicable

14.9 Sea (IMDG)

Proper Shipping Name: Not applicable
IMDG UN No.: Not applicable
IMDG Hazard Class: Not applicable
IMDG Packing Group.: Not applicable

14.10 Air (ICAO/IATA)

Proper Shipping Name: Not applicable
ICAO UN No.: Not applicable
ICAO Hazard Class: Not applicable
ICAO Packing Group: Not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety data sheet is provided in compliance with REACH Regulation (EC) No 1907/2006 (as amended by Regulation (EU) 2020/878) and UK REACH

The GB Classification, Labelling and Packaging Regulation (GB CLP) applies in Great Britain Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe

Quartz (crystalline silica) is listed in Annex III of REACH as # Suspected carcinogen: IARC monographs classified the substance as carcinogenic or probably/possibly carcinogenic # Suspected mutagen: The outcome in CTA assay is positive according to ISSCTA

Restrictions on use according to Annex XVII to REACH Regulation: Not applicable

Seveso III Directive (2012/18/EU, Dangerous Substances in Annex I: Not applicable

15.2 Chemical safety assessment

A chemical safety assessment is not required under REACH

SECTION 16: Other information

The above information is believed to be correct but does not purport to be all inclusive and shall only be used as a guide. The company will not be held liable for any damage resulting from handling or from contact with this product.

Sources of data: Information from published literature and supplier safety data sheets

Revision No. 2.0. Revised January 2019.

Changes made: Revised to conform to latest version of REACH Annex II

Revision No. 3.0.0. Revised April 2023.

Changes made: Revised to conform to latest version of REACH Annex II

Training advice

Workers must be informed of the presence of hazardous ingredients and trained in the proper use and handling of this product as required under applicable regulations

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

EUH210 - Safety data sheet available on request

SECTION 16: Other information (....)

Acronyms

ATE: Acute Toxicity Estimate
CAS: Chemical Abstracts Service
DNEL: Derived No-Effect Level
EC: European Community
EC₅₀: Effective Concentration, 50%
GHS: Globally Harmonised System
IARC: International Agency for Research on Cancer
IOELV: Indicative Occupational Exposure Limit Value
LC₅₀: Lethal Concentration, 50%
LD₅₀: Lethal Dose, 50%
NOAEC: No Observed Adverse Effect Concentration
NOAEL: No Observed Adverse Effect Level
OEL: Occupational Exposure Limit
PBT: Persistent, Bioaccumulative and Toxic
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
SCL: Specific Concentration Limit
STOT RE: Specific Target Organ Toxicity Repeated Exposure
STOT SE: Specific Target Organ Toxicity Single Exposure
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
WEL: Workplace Exposure Limit