GEARTH

# SAFETY DATA SHEET
## SpillSorb Absorbent

GHS REV 10

## 1 Identification

| | |
|---|---|
| Product identifier | SpillSorb Absorbent |
| Other means of identification | No data available |
| Recommended use | Oil-absorbent media with remediating microbes (powder). |
| Restrictions on use | No data available |
| Supplier | GEARTH (Pty) Ltd, 96 Lazy River Road, Centurion 0157, Gauteng, South Africa |
| Telephone | 012 004 8183 \| info@gearth.co.za |
| Emergency telephone number | **066 214 2274 (24 hours)** |

## 2 Hazards identification

### 2.1 Classification of the substance or mixture

| | |
|---|---|
| GHS classification | Not classified under GHS Rev 10 by the source data. Source health-effects data indicate strong irritation on skin contact, possible corneal injury on eye contact, and serious effects if ingested; HMIS rating health 3, fire 1, reactivity 0. |

### 2.2 Label elements

| | |
|---|---|
| Hazard pictograms | No data available |
| Signal word | No data available |
| Hazard statements | No data available |
| Precautionary — prevention | No data available |
| Precautionary — response | No data available |
| Precautionary — storage | No data available |
| Precautionary — disposal | No data available |

### 2.3 Other hazards

**OTHER HAZARDS DISCLOSURE**

Ingestion may release $CO_2$ in the stomach causing distension, belching and possible rupture. The microbial organisms are non-pathogenic but can cause infection in contact with open wounds; they are susceptible to many common antibiotics (source data).

## 3 Composition / information on ingredients

| Ingredient | CAS no. | EC no. | Conc. % (w/w) | Classification |
|---|---|---|---|---|
| Proprietary microbial culture | Not applicable | Not applicable | No data available | No data available |
| **Total** | | | **100** | |

Exact composition percentages are withheld as a trade secret in accordance with the HCA Regulations, 2021. The classification of withheld components is reflected above.

## 4 First-aid measures

### 4.1 Description of first-aid measures

| | |
|---|---|
| Inhalation | Remove victim to fresh air. If breathing has stopped, give artificial respiration; maintain airway and blood pressure and administer oxygen. Keep victim warm and at rest. Get medical attention. |
| Skin contact | Remove contaminated clothing and footwear. Wash material off the skin with plenty of soap and water. Wash clothing and footwear before re-use. |
| Eye contact | Immediately flush with plenty of water for at least 15 minutes and have eyes examined and treated by medical personnel. |
| Ingestion | Treat symptomatically and supportively. Get medical attention. If vomiting, keep head lower than hips to prevent aspiration. |

### 4.2 Most important symptoms and effects, both acute and delayed

| | |
|---|---|
| Symptoms and effects | Eyes: irritation, pain, possible corneal injury. Skin: strong irritation, erythema, pain and blistering. Inhalation of dust: throat irritation and coughing. Ingestion: abdominal pain, nausea, vomiting, diarrhoea, shock, hypotension, slow pulse, cyanosis, coma and possible convulsions. |

### 4.3 Indication of any immediate medical attention and special treatment needed

| | |
|---|---|
| Medical attention | Treat symptomatically and supportively. |

## 5 Fire-fighting measures

### 5.1 Extinguishing media

| | |
|---|---|
| Suitable extinguishing media | Water spray, carbon dioxide, dry chemical powder. |
| Unsuitable extinguishing media | No data available |

### 5.2 Special hazards arising from the substance or mixture

| | |
|---|---|
| Specific hazards / hazardous combustion products | No data available |

### 5.3 Advice for firefighters

| | |
|---|---|
| Protective equipment for firefighters | Self-contained breathing apparatus with full-face piece operated in pressure-demand or other positive-pressure mode. |

## 6 Accidental release measures

| | |
|---|---|
| Personal precautions, protective equipment and emergency procedures | Prevent skin and eye contact; use approved respirator for nuisance dust. |
| Environmental precautions | Keep spill and run-offs out of municipal sewers and open bodies of water. |
| Methods and material for containment and cleaning up | Soil spill: dig a pit, pond, lagoon or holding area to contain the material; cover solids with a plastic sheet to prevent dissolving in rain or fire-fighting water. Water spill: neutralise to pH 7 with a suitable agent; use dredges or lifts to extract immobilised masses of pollution and precipitates. |

## 7 Handling and storage

### 7.1 Precautions for safe handling

| | |
|---|---|
| Safe handling | Avoid handling that creates large amounts of dust; use an approved respirator for nuisance dust. Store away from children, food items and potable water. Wash hands with soap and water before handling food or smoking. Prevent skin and eye contact. |

### 7.2 Conditions for safe storage, including any incompatibilities

| | |
|---|---|
| Storage conditions | Store out of direct sunlight with the container closed when not in use; avoid damp environments and prolonged exposure to high or low temperatures and humidity. General mechanical ventilation. |
| Packaging | 20 kg bags. |
| Shelf life | No data available |
| Incompatibilities | No data available |

## 8 Exposure controls / personal protection

### 8.1 Control parameters — occupational exposure limits

| Substance | OEL type | Value | Source |
|---|---|---|---|
| Product as supplied | — | None established | HCA Regs 2021 Annexure 2 |

### 8.2 Appropriate engineering controls

| | |
|---|---|
| Engineering controls | General mechanical ventilation; eyewash station in work area. |

### 8.3 Individual protection measures

| | |
|---|---|
| Eye / face protection | Splash-proof or dust-resistant goggles and face shield. |
| Skin / hand protection | Appropriate impervious protective clothing and equipment to prevent repeated or prolonged contact. Glove material: No data available; breakthrough time: No data available |
| Respiratory protection | Respirator selection must be based on workplace contamination levels and the specific operation, within the working limits of the respirator, jointly approved (MSHA-NIOSH): dust-and-mist respirators, air-purifying respirators with high-efficiency particulate filter, powered air-purifying respirators with dust-and-mist filter, type C supplied-air respirators, or self-contained breathing apparatus. Filter type: High-efficiency particulate / dust-and-mist filter (per source respirator guidance) |
| Thermal hazards | No data available |

## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | Free-flowing, moist powder |
| Colour | Brown |
| Odour | Yeast-like |
| Melting point / freezing point | No data available |
| Boiling point or initial boiling point and boiling range | No data (source statement) |
| Flammability | No data available |
| Lower and upper explosion limit / flammability limit | No data available |
| Flash point | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| pH (concentration and temperature stated) | 6.5 – 8.5 (1% solution; temperature not stated in source data) |
| Kinematic viscosity | No data available |
| Solubility | Partially soluble in water; contains viable bacteria |
| Partition coefficient n-octanol/water (log Kow) | No data available |
| Vapour pressure | No data available |
| Density and/or relative density | No data available |
| Relative vapour density | No data available |
| Particle characteristics | Free-flowing moist powder; avoid dust generation |

### 9.2 Other information

| | |
|---|---|
| Explosive properties | No data available |
| Oxidising properties | No data available |
| Bulk density | No data available |
| Active solids | No data available |

## 10 Stability and reactivity

| | |
|---|---|
| Reactivity | No data available |
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | Hazardous polymerisation will not occur. |
| Conditions to avoid | No data available |
| Incompatible materials | Solutions may be corrosive toward metals. May react violently with strong acids and release $CO_2$; 2-furaldehyde is a possible ignition hazard; monoammonium phosphate may react with rapid pressure build-up. Strong acid and alkali compounds may inactivate the biological cultures. |
| Hazardous decomposition products | Thermal decomposition may include toxic oxides of phosphorus and sodium, and oxides of carbon. |

## 11 Toxicological information

| | |
|---|---|
| Likely routes of exposure | Inhalation of dust; skin and eye contact; ingestion. |
| Symptoms related to exposure | As per Section 4.2 (source health-effects data). |
| Delayed and chronic effects | No data available |

**Numerical measures of toxicity**

| Endpoint | Species | Route | Value |
|---|---|---|---|
| No data available | No data available | No data available | No data available |

Source: ingredients not precisely identified are proprietary or non-hazardous; all chemical ingredients appear on the EPA TSCA Inventory. No numerical values given.

| | |
|---|---|
| Acute toxicity — dermal | No data available |
| Acute toxicity — inhalation | No data available |
| Skin corrosion / irritation | No data available |
| Serious eye damage / irritation | No data available |
| Respiratory sensitisation | No data available |
| Skin sensitisation | No data available |
| Germ cell mutagenicity | No data available |
| Carcinogenicity | No data available |
| Reproductive toxicity | No data available |
| STOT — single exposure | No data available |
| STOT — repeated exposure | No data available |
| Aspiration hazard | No data available |

## 12 Ecological information

**Aquatic toxicity**

| Species | Endpoint | Value | Duration |
|---|---|---|---|
| No data available | No data available | No data available | No data available |

Source: ingredients not precisely identified are proprietary or non-hazardous; all chemical ingredients appear on the EPA TSCA Inventory. No numerical values given.

| | |
|---|---|
| Persistence and degradability — method | No data available |
| Persistence and degradability — result | No data available |
| Bioaccumulative potential | No data available |
| Mobility in soil | No data available |
| Other adverse effects | No data available |

## 13 Disposal considerations

| | |
|---|---|
| Waste residues | No data available |
| Disposal methods | Comply with local regulations for disposal. Empty containers and flush with water. |
| Contaminated packaging | No data available |
| Waste classification (NEM:WA 59 of 2008, GN R635) | No data available |

## 14 Transport information

| Mode | UN no. | Proper shipping name | Class | PG |
|---|---|---|---|---|
| Road (SANS 10228 / ADR) | Not applicable | Not regulated | Not applicable | Not applicable |
| Rail (RID) | Not applicable | Not regulated | Not applicable | Not applicable |
| Sea (IMDG) | Not applicable | Not regulated | Not applicable | Not applicable |
| Air (IATA) | Not applicable | Not regulated | Not applicable | Not applicable |

| | |
|---|---|
| Marine pollutant | No data available |
| Transport in bulk (IMO instruments) | Not applicable |
| Special precautions for user | No data available |

## 15 Regulatory information

| | |
|---|---|
| Safety, health and environmental regulations specific to the product | Occupational Health and Safety Act 85 of 1993; Regulations for Hazardous Chemical Agents, 2021; NEM:WA 59 of 2008; None identified |
| NRCS VC 8054 status | No data available |
| Ecolabel certification | No data available |
| Chemical safety assessment | No data available |

## 16 Other information

| | |
|---|---|
| Date of preparation | 18 August 2026 |
| Latest revision | Rev 1.0, 18 August 2026 |
| Summary of changes | First GEARTH issue (Rev 1.0). Safety content transferred unchanged from the source manufacturer's MSDS (dated 18 February 2019); no data re-tested or re-derived. |
| Full text of hazard (H) statements | None allocated by the source data. |
| Full text of precautionary (P) statements | None allocated by the source data. |
| Key to abbreviations | GHS — Globally Harmonized System; OEL — occupational exposure limit; STOT — specific target organ toxicity; PG — packing group; SG — specific gravity; CAS — Chemical Abstracts Service; HCA — hazardous chemical agents. |
| Classification method | Hazard information carried over from the source manufacturer's assessment (pre-GHS format). Classification against UN GHS Rev 10 criteria to be confirmed. |
| Training advice | Use only according to the instructions for use. Personnel handling the concentrate should be familiar with the first-aid and spill measures in Sections 4 and 6. |
| Disclaimer | This information is based on present knowledge and describes the product for the purposes of health, safety and environmental requirements only. It does not constitute a guarantee of the properties of the product. Final determination of suitability for any use is the sole responsibility of the user. |

**SIGN-OFF**

| | |
|---|---|
| Prepared by | GEARTH (Pty) Ltd |
| Document ref | SDS-GEA-036 |
| Revision | 1.0 (18 August 2026) |
| Supersedes | None — first GEARTH issue |
| Next review | August 2028 |