Type: Natural super-absorbent oil and hydrocarbon powder	**Structure:** Proprietary highly porous crystalline honeycomb structure	**Secondary Action:** Desiccating and cationic — eliminates odour rather than masking it

GEARTH SpillSorb is a completely natural, super-absorbent powder for the total absorption of oils, diesel, petrol, paraffin and other nuisance liquids from both water and land spills. Its absorbency stems from a proprietary highly porous crystalline structure which, viewed under a microscope, resembles the honeycomb of a super-absorbent sponge.

SpillSorb additionally carries desiccating and cationic properties, so unlike commercial air fresheners it does not mask smells — it eliminates them. Odour from animal excretions, and from any area where ammonia is released by decaying organic matter, is effectively removed rather than covered.

1 KEY FEATURES & BENEFITS

- Total absorption of oils, diesel, petrol, paraffin and other hydrocarbon liquids
- Proprietary highly porous crystalline structure for exceptional absorbency
- Works on both open-water and solid-surface spills
- Desiccating and cationic action eliminates odour rather than masking it
- Completely natural and inert — in its unused state it may be safely ingested by animals
- Coagulates absorbed spill into a contained, collectable mass
- Collected material can be fully remediated with GEARTH EcoSpill rather than landfilled
- Applies with nothing more than a broom and a collection method

2 APPLICATIONS

- Clean-up of oil spills and liquid hydrocarbons in harbours, on beaches, and in rivers and dams
- Petrol service stations, refineries, workshops and airports
- Mop-up operations at road and airport accident scenes and hazardous material spill sites
- Animal feedlots and poultry coops where hygiene and odour control are paramount
- Septic tank and sewer overflow clean-up operations
- Cleaning and odour suppression of carpeting and furniture contaminated by decaying organic matter or animal excretions
- Oil and fat clean-up following cooking, a braai or barbecue

3 WATER SPILL APPLICATION

- Step 1 — Scatter: Scatter a moderate amount of SpillSorb onto the oil. Absorption begins immediately.
- Step 2 — Coagulate: The powder coagulates the oil into a contained mass of oil and powder.
- Step 3 — Recover: The coagulated mass will in time begin to sink, leaving a clean layer of water above. Bring sunken coagulated material back to the surface and capture it.
- Alternative method: apply SpillSorb to sections of the spill and contain the coagulated mass before it begins to sink.

4 SOLID SURFACE SPILL APPLICATION

For spills on service station forecourts, roads and highways, accident scenes, soil, ships, carpets, upholstery and similar surfaces:

- Step 1 — Scatter: Scatter a layer of SpillSorb directly onto the spill.
- Step 2 — Wait: Allow a short period for the powder to begin absorbing the liquid and the odour.
- Step 3 — Sweep: Sweep the powder back and forth over the spill with a broom or brush. Sweeping maximises surface contact between powder and spill — each pass should show a significant reduction in the spilt liquid.
- Step 4 — Re-apply if saturated: If absorption ceases, the initial quantity has become saturated — apply a second layer and continue.
- Step 5 — Collect: Repeat until the spill is completely absorbed and contained, then sweep or vacuum the material up and collect it.

5 REMEDIATING COLLECTED MATERIAL

Once collected, the saturated powder should be remediated rather than landfilled. Treat it with GEARTH EcoSpill, the bio-enzymatic hydrocarbon bioremediation product, which digests the absorbed hydrocarbon load into carbon dioxide, water and soluble fatty acids — closing out the spill on site instead of relocating it.

6 TECHNICAL SPECIFICATIONS

Physical State	Powder
Composition	Completely natural, inert absorbent medium
Structure	Proprietary highly porous crystalline structure — honeycomb-like under microscopy
Absorbed Liquids	Oils, diesel, petrol, paraffin and other liquid hydrocarbons and nuisance liquids
Secondary Properties	Desiccating and cationic — eliminates odour rather than masking it
Odour Targets	Animal excretion odour and ammonia released by decaying organic matter
Behaviour On Water	Absorbs, coagulates the spill into a contained mass, then sinks — mass must be recovered and captured
Behaviour On Solid Surfaces	Absorbs on contact; swept back and forth to maximise contact, then swept or vacuumed up
Animal Safety	Completely inert; in the unused state may be safely ingested by animals
Downstream Remediation	Collected saturated powder should be remediated with GEARTH EcoSpill
Country of Manufacture	South Africa

7 STORAGE & SHELF LIFE

Storage Conditions	Store sealed in a cool, dry area out of direct sunlight and away from moisture, which reduces absorbent capacity.
Handling	Formulated from natural, inert, low-toxicity material. Avoid inhaling powder dust during scattering and sweeping; wear appropriate PPE when handling hydrocarbon-saturated material.

This Technical Data Sheet reflects GEARTH's current product specification and application guidance at the date of issue. GEARTH (Pty) Ltd continually develops its formulations and reserves the right to revise specifications without prior notice. Because site conditions, substrates and effluent loads vary, the user remains responsible for confirming suitability for a specific application — GEARTH technical staff are available to assist with site-specific dosing and trial protocols. Handle all products in accordance with the applicable Safety Data Sheet and South African health, safety and environmental legislation.