

Bioremediation Media



save  
75%

- Save up to 75% of your current landfill costs.
- Treats petrochemical-contaminated soil, separator sludge, railway ballast, absorbent and other solids.



An example of some of the historical environmental problems faced by South African industry before cleanup and implementation of GK-IT's patented bioremediation process.



One of GK-IT's mobile bioremediation units in action.



Soil in the treatment process at a clients bioremediation facility.

Features & Benefits

- Manufactured under patent for treatment of plant-based recycled materials.
- Contains everything necessary to ensure a successful bioremediation process.
- Exceptionally easy to use.
- Backed by world-class bioremediation experts.
- Capable of breaking down most hydrocarbon-based contaminants.



Comply to the South African Contaminated Land Act and Implement International Best Practice.

We will Reduce:

- The total Petroleum Hydrocarbon content of the contaminated material to below 100mg/Kg.
- The Gasoline Range Organic content of the contaminated material to below 0.1mg/Kg.
- The Diesel Range Organic content of the contaminated material to below 0.1mg/Kg.
- The Semi-Volatile Organic Compound content of the contaminated material to below 50µg/Kg.
- The Volatile Organic Compound content of the contaminated material to below 5µg/Kg.
- The Poly Aromatic Hydrocarbon content of the contaminated soil to below 50µg/Kg.



System Code: A0015480 GK  
GK Bioremediation Media, 50 L Bag, 10 to 12 Kg



Fungal beds establish themselves in contaminated soil while being treated. These fungi break down contaminants to carbon dioxide and water.



A rehabilitated and re-vegetated site after a 12 week treatment period with GK-IT's Bioremediation Media.

(We Guarantee the successful completion of any bioremediation project we undertake.)

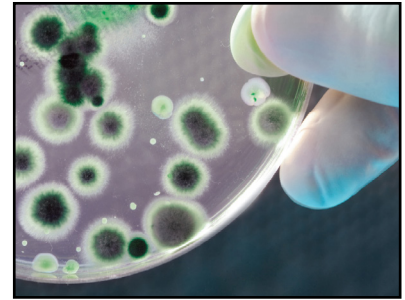


## Bioremediation Liquid

- Treats petrochemical-contaminated soil, railway ballast and contaminated water.
- Use in inaccessible areas.

### Features & Benefits

- Used for the treatment of non-excavatable areas such as under roads, railway lines or under buildings.
- Can be used to treat contaminated paving and concrete.
- GK Bioremediation Liquid (BioShock) is capable of degrading hydrocarbon-based contaminants to carbon dioxide and water.
- Environmentally friendly.



GK BioShock is a liquid solution of nutrients and hydrocarbon degrading microbes.

**System Code: A0015483**  
25 L Can, 25 Kg

**System Code: A0015485**  
210 L Can, 210 Kg

**System Code: A0015486**  
1000 L Can, 1000 Kg



## Bioremediation Kits

For use in the clean up of small to medium spillages, with the subsequent bioremediation of contaminated soil and used absorbent materials.

### Features & Benefits

- The wheeled unit enables faster response times to limit the spread of spillages.
- Re-fillable
- Can be tailored to suit your needs.



**System Code: A0015488**

#### Wheeled Unit Content:

- 2x 50 L GK Biopack Bioagent
- 1x 37 L GK Absorbent of Choice
- 1x 2 m Sock
- 2x 400 mm x 400 mm Pillow
- 2x 400 mm x 400 mm Pillow
- 1x Garden Fork
- 1x Spark Proof Telescopic Spade

- 1x Polypropylene Broom
- 1x Pair of Goggles
- 1x Pair of Nitrile Gloves
- 1x Chemical Resistant Apron
- 1x Brush and Pan
- 1x Dust Mask
- 4x Disposal Bags and Ties
- 1x Brass Lock and Hasp

**System Code: A0015487**

#### Bag Kit Content:

- 1x 50 L GK Biopack Bioagent
- 4x 5 L GK Absorbent of Choice
- 1x 1.2 m Sock
- 1x Spark-Proof Telescopic Spade
- 1x Pair of Goggles

- 1x Pair of Nitrile Gloves
- 1x Chemical Resistant Apron
- 1x Brush and Pan
- 1x Dust Mask
- 4x Disposal Bags and Ties



## Choosing the Correct Absorbent for Your Application

What type of spillages do you deal with on a regular basis?

**Strong Acids or Bases**

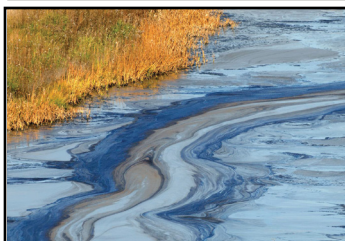
Use **GK Hazmat** if you want to use an absorbent that can be easily scattered over the spill or use **GK Polyprop** if you prefer to use absorbent pads and rolls.

**Petrochemicals, Solvents, Paint, Weak Acids/Bases and Water-Based Chemicals**

Use **GK Polyprop** if you prefer to use absorbent pads and rolls.

**Petrochemical Spillages on Water**

Use **GK Aqua** if you want to use an absorbent that can be easily scattered over the surface of the water or use **GK Polyprop** if you prefer absorbent pads and rolls.



**Petrochemicals or Non-Water Based Products**

Should you dispose of used absorbent material:

- Use **GK Xtreme** if you want a lightweight loose fibre to scatter over the spill.  
OR
- Use **GK Blue** if you want a slightly loose fibre to scatter over the spill.  
OR
- Use **GK Organiprop** or **GK Polyprop** if you prefer to use absorbent pads and rolls.

Should you use a bioremediation facility to treat used absorbent material for your contaminated soil:

- Use **GK Blue** if you want a slightly loose fibre to scatter over the spill.

Should you incinerate used absorbent material:

- Use **GK Xtreme** burns with an extremely high calorific value.

### ABSORBENTS

Quick Guide to Absorbents

Product	Absorbent Type	Universal (U) Chemical (C) Hydrocarbon (H)	Absorption Ratio (v:v)	Hard Surface (H) Water (W)	Landfill (L) Bioremediate (B)
<b>Xtreme</b>	Organic Fibre	H	1:0.95	H/W	L
<b>Blue</b>	Organic Fibre	H	1:0.85	H	B/L
<b>Aqua</b>	Organic Fibre	H	1:0.95	W	B/L
<b>Hazmat</b>	Mineral Base	C	1:0.85	H	L
<b>Polyprop</b>	Polypropylene	H/C	NA	H/W	L
<b>Organiprop</b>	90% Organic	U	NA	H	B/L

### Petrochemical Absorbent GK Xtreme

The leading edge in disposable hydrocarbon and weak chemical absorption.



Manufactured by recycling industrial waste, produced by the coconut oil industry.

#### Features & Benefits

- Manufactured under patent.
- Environmentally friendly with no adverse effects on climate change.
- Absorbs on contact without leaching.
- Light-weight, ensuring a lower disposal cost.
- High absorption ratio; 1 : 0.95 v/v.
- Manufactured using a renewable resource.
- Has a high BTU value when incinerated.
- A true "peat moss" substitute.

**System Code: A0015450**  
37 L Bag, 5 Kg

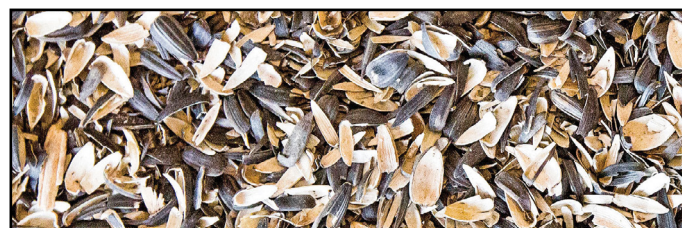
**System Code: A0015452**  
110 L Bag, 15 Kg

**System Code: A0015454**  
75 L Bag, 10 Kg



### Oil Absorbent GK Blue

For the user that requires something heavier.



Manufactured by recycling industrial waste, produced by the sunflower oil industry.

#### Features & Benefits

- Heavier than the average absorbent and a high absorption ratio of 1 : 0.85 v/v.
- Environmentally friendly and no adverse effects on climate change.
- May be bioremediated with contaminated soils after use.
- Manufactured under patent.
- Absorbs on contact without leaching.
- Manufactured using a renewable resource.

**System Code: A0015458**  
37 L Bag, 5 Kg

**System Code: A0015459**  
110 L Bag, 15 Kg

**System Code: A0015460**  
75 L Bag, 10 Kg



Pictures may vary from the actual product.



### Floating Absorbent GK Aqua

A hydrocarbon absorbent with good buoyancy characteristics.



Manufactured by recycling industrial waste, produced in the paper industry.

#### Features & Benefits

- Manufactured under patent.
- Absorbs on contact without leaching.
- High absorption ratio; 1 : 0.95 v/v.
- Extremely good buoyancy and low density.
- Environmentally friendly with no adverse effects on climate change.
- Manufactured using a renewable resource.



**System Code: A0015463**  
5 L Bag, 0.5 Kg

**System Code: A0015464**  
37 L Bag, 3 Kg

**System Code: A0015465**  
100 L Bag, 8 Kg

**System Code: A0015466**  
75 L Bag, 6 Kg

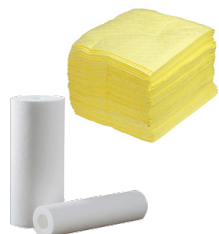
### Hydrocarbon or Chemical Absorbent Pads & Rolls



Manufactured from the finest melt-blown Polypropylene.

#### Features & Benefits

- The hydrocarbon range (white) will absorb petrochemicals while repelling water and floats indefinitely.
- The chemical range (yellow) gives excellent resistance to chemicals and is suitable for acids and caustics.
- Polypropylene products are highly absorbent and are ideal for use in environments where dust-free absorbents are required.



**System Code: A0015467**  
Hydrocarbon Absorbent Pads, 200 p/b

**System Code: A0015469**  
Chemical Absorbent Pads, 200 p/b

**System Code: A00154672**  
Hydrocarbon Absorbent Roll

**System Code: A0015474**  
Chemical Absorbent Roll

### Chemical Absorbent GK Hazmat

The leading edge in high-end acid and chemical absorption.



Manufactured from a natural mineral source.

#### Features & Benefits

- Absorbs on contact without leaching.
- High absorption ratio, 1 : 0.85 v/v.
- Does not contain neutralization agents, therefore, it is a low risk product.
- Environmentally friendly.
- Non-organic mineral base, therefore, it is non-reactive.



**System Code: A0015476**  
37 L Bag, 5 Kg

**System Code: A0015477**  
110 L Bag, 15 Kg

**System Code: A0015478**  
75 L Bag, 10 Kg,

### Organic Absorbent Pads and Rolls

Contains no loose fibres.



Manufactured locally, using a combination of melt-blown Polypropylene and organic fibres.

#### Features & Benefits

- Manufactured under patent.
- Absorbs petrochemicals while repelling water.
- 90% of the product is organic and biodegradable.
- Highly absorbent and suited to environments where dust-free absorbents are required.
- Used for both the prevention and clean-up of spills.



**System Code: A0015468**  
Hydrocarbon Absorbent Pads, Each.

**System Code: A0015473**  
Hydrocarbon Absorbent Roll, 50 m x 1.5 m, 350g/m<sup>2</sup>

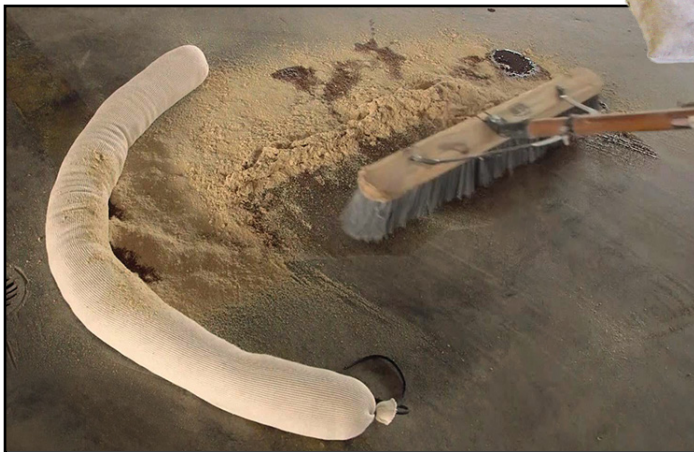


## Socks, Booms & Pillows

### Socks

#### Features & Benefits

- The casings are manufactured from either a hydrophilic (universal), hydrophobic (oil only) or chemical resistant Polypropylene.
- Available in 1.2 m, 2.0 m, and 4.0 m lengths, with various diameters, as well as floating booms (complete with ropes and ties.)



### Pillows

#### Features & Benefits

- The casings are manufactured from either a hydrophilic (universal), hydrophobic (oil only) or chemical resistant Polypropylene.
- Available in standard 400 mm x 400 mm or 400 mm x 200 mm sizes, as well as 800 mm x 800 mm railway pillows.

## Chemical Products

### Degreasing Solution

Manufactured locally using a combination of top quality, environmentally friendly surfactant blends.

#### Features & Benefits

- Water-based and biodegradable.
- No permanent emulsification.
- Environmentally friendly.

	Wizard	WizardMB	WizardHD
5 L, Can	A15558	A39248	A15569
25 L, Can	A15559	A15565	A15570
210 L, Can	A15560	A15567	A15571
1000 L, Can	A15561	A15568	A15573



### Quick Guide

Product	Degreasing Solution	Microbiological Degreasing Solution	Heavy-Duty Degreasing Solution
Description	Degreasing Solution	Microbiological Degreasing Solution	Heavy-Duty Degreasing Solution
Use	Cleaning lightly soiled surfaces and machinery	Cleaning heavily soiled surfaces and machinery	Cleaning extremely heavily soiled surfaces. NOT suitable for use on machinery
Base	Water	Water	Water
pH	7.2	7.2	12.0
Quick Break Action	Yes	Yes	Yes
Biodegradable	Yes	Yes	Yes
Environmentally Friendly	Yes	Yes	No
Maximum Dilution Factor	5x	7.5x	10x



## Spill Kits



## Vehicle Kits

Blue: A15495  
Xtreme: A15498  
Hazmat: A15501

### Features & Benefits

- For the clean up and containment of small spillages created by vehicles and equipment.
- Fits snugly behind a vehicle seat or in the boot of a vehicle.
- Re-fillable.
- Dimensions: 50 cm x 50 cm x 10 cm.
- Can be tailored to suit your needs.

### Typical Content:

- 1x 1.25 Kg GK Absorbent of Choice
- 5x GK Organiprop Absorbent Pads
- 1x 1.2 m Sock
- 1x 200 mm x 400 mm Pillow
- 1x Pair of Goggles
- 1x Pair of Nitrile Gloves
- 1x Chemical Resistant Apron
- 1x Brush and Pan
- 1x Dust Mask
- 2x Disposal Bags and Ties



## Floor Cleaner

GK WizardPD is a powder-based garage floor cleaner ideal for workshop environments.

### Features & Benefits

- Provides a heavy-duty scrubbing action for hard to clean surfaces.
- Will remove all types of heavy soil.
- No perfumes or fragrances.
- Excellent for garages and workshops.
- Biodegradable
- Ammonia free

**System Code: A15574**

4.5 Kg, 5 L Bucket

**System Code: A15575**

22.5 Kg, 25 L bucket



## Spill Kits

### Small Bag Kits

Blue: A15496  
Xtreme: A15499  
Hazmat: A15502

### Features & Benefits

- For the clean up and containment of small spillages.
- Ideal for use on equipment prone to leaking small amounts of oil or chemicals.
- Re-fillable.
- Dimensions: 500 mm x 350 mm x 250 mm.
- Can be tailored to suit your needs.
- For use on Light motor vehicles and up to 1t trucks.

### Typical Content:

- 2x 1.25 Kg GK Absorbent of Choice
- 5x GK Organiprop Absorbent Pads
- 2x 1.2 m Socks
- 1x 200 mm x 400 mm Pillow
- 1x Pair of Goggles
- 1x Pair of Nitrile Gloves
- 1x Chemical Resistant Apron
- 1x Brush and Pan
- 1x Dust Mask
- 3x Disposal Bags and Ties





## Medium Truck Kits

**Blue:** A15497  
**Xtreme:** A15500  
**Hazmat:** A15503

### Features & Benefits

- For the clean up and containment of large spillages created typically by trucks and heavy equipment.
- Fits snugly inside a trucks cab or in the cab of heavy equipment.
- Re-fillable.
- Dimensions: 750 mm x 450 mm x 300 mm.
- Can be tailored to suit your needs.

### Typical Content:

- 1x 5 Kg GK Absorbent of Choice
- 10x GK Organiprop Absorbent Pads
- 4x 1.2 m Socks
- 2x 200 mm x 400 mm Pillows
- 1x 5 L GK WizardMB Degreasing Solution
- 1x Pair of Goggles
- 1x Pair of Nitrile Gloves
- 1x Chemical Resistant Apron
- 1x Brush and Pan
- 1x Dust Mask
- 4x Disposal Bags and Ties



## 120 L Bin Kits

### Features & Benefits

- For the clean up and containment of medium size spillages in areas, such as small engineering or manufacturing shops.
- Ideal for areas where equipment is prone to leakage such as mobile equipment parking areas.
- Wheeled units allow for faster response times to limit the spread of spillages.
- Re-fillable
- Dimensions: 50 cm x 50 cm x 1.0 m high.
- Can be tailored to suit your needs.

### Typical Content:

- 1x 5 Kg GK absorbent of choice
- 10x GK Organiprop Absorbent Pads
- 4x 1.2 m Socks
- 2x 200 mm x 400 mm Pillows
- 1x 5 L GK WizardMB Degreasing Solution



### 120 L Bin

**Blue:** A15504  
**Xtreme:** A15503  
**Hazmat:** A15506

## 240 L Bin Kits

### Features & Benefits

- For the clean up and containment of large spillages created typically in workshops, refueling areas and garage forecourts.
- The wheeled units enable faster response times to limit the spread of spillages.
- Re-fillable.
- Dimensions: 60 cm x 70 cm x 1.0 m high.
- Can be tailored to suit your needs.

### GK-it Spec 240L

**Blue:** A15509  
**Xtreme:** A15513  
**Hazmat:** A15518

### Refill

**Blue:** A15510  
**Xtreme:** A15514  
**Hazmat:** A15519

### STD Spec

**240L**  
**Blue:** A15507  
**Xtreme:** A15511  
**Hazmat:** A15516

### Refill

**Blue:** A15508  
**Xtreme:** A15512  
**Hazmat:** A15517



### Typical Content:

- 1x 10 Kg GK Absorbent of Choice
- 2x 1.2 m Socks
- 1x 2.0 m Sock
- 1x 2.0 m Boom
- 2x 200 mm x 400 mm Pillow
- 2x 400 mm x 400 mm Pillows
- 1x 5 L GK WizardMB Degreasing Solution
- 1x Spark-Proof Telescopic Spade
- 1x Polypropylene Broom
- 1x Pair of Goggles
- 1x Pair of Nitrile Gloves
- 1x Chemical Resistant Apron
- 1x Brush and Pan
- 1x Dust Mask
- 4x Disposal Bags and Ties
- 1x Brass Lock and Hasp
- 1x 240 L Wheelie Bin
- 1x Spill kit Procedure