GEARTH BioFleet Wash & Wax

Bio-Enzyme High Foaming Wash & Wax Shampoo | Digests Hydrocarbon Effluent | C.O.D. Correcting

Type: Bio-enzyme high foaming wash and wax shampoo	**Dilution:** 1:150 to 1:250 depending on soiling	**Effluent Effect:** Digests hydrocarbon effluent in sumps and drains

GEARTH BioFleet Wash & Wax is a high-foaming bio-enzyme wash and wax shampoo for cleaning motor cars, buses, trucks, trains and motorcycles. It is uniquely formulated with bio-enzymes that digest hydrocarbon effluent in wash bay sumps and drains, turning waste oils into water and carbon dioxide — resolving C.O.D. effluent discharge problems while avoiding costly fines.

Untreated oil run-off from vehicle washing is a serious environmental problem and fines from water authorities can be severe. BioFleet removes vestiges of grease and traffic film engrained with particulate soil with little mechanical assistance, sparing the vehicle's top coat from abrasion. It leaves a well-drained surface after rinsing and promotes water sheeting off the surface, minimising streaking, while leaving a protective shine.

1 INTERNATIONAL BENCHMARK

The hydrocarbon-degrading microbes used by a well-known international petrochemical company were independently laboratory tested against the indigenous microbes in the GEARTH Oil Gobbler culture set. The comparison showed near-identical Total Petroleum Hydrocarbon (T.P.H.) degradation — with the unexpected result that the GEARTH microbes degraded waste at a 20% faster rate, carrying significant further cost, performance and environmental advantages.

2 THE COST CASE

BioFleet cleans faster and more effectively, saving time and labour. It corrects water effluent C.O.D. discharge requirements rather than worsening them, removing the exposure to discharge fines that solvent cleaners create.

It also significantly prolongs engine and vehicle component lifespan. Solvent-based cleaners are well known to cause long-term damage to expensive rubber and plastic engine and vehicle components; the water-based formulation avoids this entirely. Solvent cleaners additionally fade signwriting on trucks, buses and vehicles — a hidden cost this product does not incur.

3 KEY FEATURES & BENEFITS

- Remediates hydrocarbons into water and carbon dioxide
- Extra high foaming for maximum soil lift with minimal mechanical effort
- Spares the vehicle top coat from abrasion
- Leaves a well-drained surface and promotes water sheeting to minimise streaking
- Leaves a protective shine
- Water based — no damage to rubber and plastic engine and vehicle components
- Does not fade vehicle signwriting as solvent cleaners do
- Corrects C.O.D. water effluent discharge parameters and avoids discharge fines
- Reduces waste disposal costs
- Compatible with all types of oil / water cleaning systems
- Easily applied with buckets, brooms, mops and high-pressure spraying equipment
- Non-corrosive and formulated with bio-based, low-toxicity ingredients

4 APPLICATIONS

- Buses and coaches
- Trucks and heavy commercial fleets
- Trains and rail rolling stock
- Cars and taxis
- Motorcycles
- Mining vehicle fleets
- Commercial wash bays discharging to a monitored effluent point

5 DIRECTIONS FOR USE

- Step 1 — Dilute: Dilute at between 1:150 and 1:250 depending on the condition of soiling.
- Step 2 — Apply: Apply with a bucket, broom, mop or high-pressure spraying equipment.
- Step 3 — Rinse: Rinse. The surface drains well and water sheets off, minimising streaking.
- Step 4 — Speed remediation: To accelerate remediation in oil sumps and effluent run-off waterways, dose GEARTH Heavy Duty Degreaser in conjunction with BioFleet — a potent bio-enzyme degreaser for engines, wheels and undercarriages.
- Avoid using with solvents and harsh chemicals. These kill the beneficial bacteria and enzymes and negate the oil remediation effect.

6 TECHNICAL SPECIFICATIONS

Physical State	Liquid — water based
Formulation Type	Bio-enzyme high foaming wash and wax shampoo with hydrocarbon-degrading cultures
Dilution	1:150 to 1:250 depending on soiling
Foaming	Extra high foaming
Target Contaminants	Traffic film, particulate soil, grease and hydrocarbon effluent in sumps and drains
Degradation By-Products	Water and carbon dioxide
T.P.H. Performance	20% faster degradation than the international petrochemical benchmark (independently laboratory tested)
Effluent Effect	Corrects C.O.D. discharge parameters
Surface Finish	Well-drained, sheeting finish with a protective shine; minimises streaking
Substrate Compatibility	No damage to rubber or plastic components; does not fade signwriting
System Compatibility	Compatible with all types of oil / water cleaning systems
Application Equipment	Buckets, brooms, mops and high-pressure spraying equipment
Chemical Incompatibility	Solvents and harsh chemicals destroy the active cultures
Supply Options	Super concentrate available for self-manufacture
Country of Manufacture	South Africa

7 STORAGE & SHELF LIFE

Shelf Life	Stable for 12 months
Storage Conditions	Store at ambient temperature out of direct sunlight, sealed when not in use.

8 PACKAGING

5 L	Standard container
25 L	Standard container
1 000 L	Flow bin / IBC

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.