BioRem 2000 MULTI-SURFACE CLEANER

ginny@traderitesolutions.co.za
031 777 1120 – 079 784 3177
www.traderitesolutions.co.za

- **Microbe Technology - Remediates hydrocarbons into water and carbon dioxide**
- **Renders flammable liquids, such as gasoline and jet fuel to non-flammable**
- **Easily applied with mops, auto floor scrubbers and degreaser equipment**
- **Removes oil and grease from surface which prevents slip-and-slide accidents**
- **Excellent Oil, Enamel, and other Petroleum based paint brush cleaner**
- **Safely removes Oil, Enamel, and other Petroleum based paints from clothing**
- **Compatible with all type oil/water cleaning systems**
- **Water based, non-flammable and odourless**
- **Non-toxic, non-corrosive, non-hazardous**
- **Eliminates 100% of disposal costs**

WHAT IS BIOREM-2000 MULTI-SURFACE CLEANER?

Bioremediation is the application of biological microbes for the cleanup of hazardous oil spills resulting in a safe, efficient and cost-effective solution.

Bioremediation (Fig. 1) uses microbes, enzymes, oxygen and other nutrients to transform oil into carbon dioxide and water.

BioRem 2000 Surface Cleaner™ (Fig. 2) increases the surface area of the oil while the enzymes break down the contaminants into smaller molecules.

The enzymes then attract the microbes (Fig. 3) and consume the oil leaving only water and carbon dioxide as by-products. Once the reaction is complete, the enzymes break free to attach to another hydrocarbon source in order to repeat the same reaction.

BioRem-2000 Surface Cleaner™ has a pH of 7 and does not have any odor or contain any corrosives or butyl.

BioRem-2000 Surface Cleaner™ prevents slip-and-slide accidents, by removing the oily film, leaving surfaces dry and oil-free.

BioRem 2000 Surface Cleaner™ significantly reduces the ability of flammable hydrocarbons to ignite.

Figure 1

Figure 2

Figure 3

WHERE TO USE?

Automotive workshop areas, petrol stations, driveways, motor engines and parts, road spills, boats and on all other water safe surfaces and equipment, including metal, plastic, tar and concrete.

Art studios, art classrooms, artisan workshops.

Crude Oil • Fuel • Glycols • Skydrol • Gasoline (BTEX) • Jet Fuel • Diesel • Hydrolic Oil • Motor Oil • Aviation Fuels • Brake Fluid

Grease • Cutting Fuels • Lubricating Oil • Ethanol • Synthetic Oils • Kerosene •

Linseed Oil based artists paints • Enamel • All petrochemical based decorative substances. (Even on Acrylic paints.)

How to Apply?

*Dilute concentrate with water. Ask your **Traderite Solutions representative** for expert advice for your particular needs.*

Spill Control: *Liberally apply the mixture of product with mop and allow the solution to remain on the surface for 1-2 minutes, with a wet mop agitate the solution into the surface in a figure 8 motion. Remove excess water with damp mop and allow product to air dry.*

Spray-N-Wipe: *Spray directly onto surface, allow product to remain on the surface for 30-60 seconds, then agitate with a scrubbing brush or scourer. Wipe clean with cloth.*

Pressure Washing: *Remove excess dirt from surface or equipment. Fill spray gun bottle with product, with the required dilution. Spray product onto all washable surfaces and allow product to dwell for 3-5 minutes. Agitate with scrubbing brush, scourer, etc. rinse with water, let surface air dry.*

Art/Artisan Brushes: *Decant product into a container to appropriate brush bristle height. Agitate product with brush. Foam spray brush handle where applicable; allow to settle for 30-60 seconds and agitate with another clean brush whilst in container. Allow brush to soak for 2 minutes or longer. (For old oil or petroleum contaminated brushes allow to soak for overnight.) Swirl and agitate to remove temporarily affixing colorants - no oil will remain. Wash off with water. (Not soap and water as this will contaminate your brush with the chemicals in the soap!) For stubborn patches in large brushes soak briefly and agitate with a rag before washing with water. Brushes will be clean in both appearance and 'bristle feel'.*

Clothing and textiles: *In the event that appropriate work clothing or surrounding textiles become contaminated with oil, foam spray the affected area, leave for 30-60 seconds, then agitate with a scrubbing brush. For best results with severely affected areas, soak in an appropriate container for up to 5 minutes. Rinse off with water. (Not soap and water as this will contaminate the textiles with the chemicals in the soap!).*

Any residue will not have any oil particles at all, but might well be the effect of the colorant in your original oil-based substrate. To best remove remaining colourant use our 100% all natural Laundry Detergent for superior soil removal and fabric care.

Note: Avoid oil contamination of delicate fabrics such as silk or satin at all times. Agitated cleaning may have a tactile effect on these fabrics.

Added benefits:

1. *Disposal of unwanted mixture can be safely poured into waste pipes, drains and sewerage systems, as the enzymes and microbes will keep on converting the oils and grease inside these areas, into carbon dioxide and water.*
2. *Artists and Artisans may safely clean their hands in the solution of oil contamination and, provided this is not a continues and prolonged daily exercise, hands will not only be clean, but feel amazingly soft; as other daily grime and chemical contamination will likely be eliminated from skin pores. Note: Please view the MSDS sheet in the event of any unlikely skin reaction; more than likely caused by the removal of skin-dependent chemicals in your pores. In itself, the Bio-Remediation technology is 100% all natural and entirely safe for your skin.*