

BioRem 2000 SURFACE CLEANER™



Reversing Years of Spills

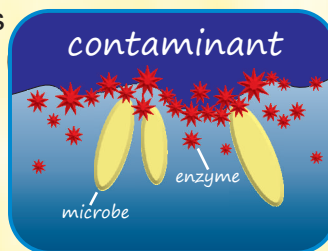
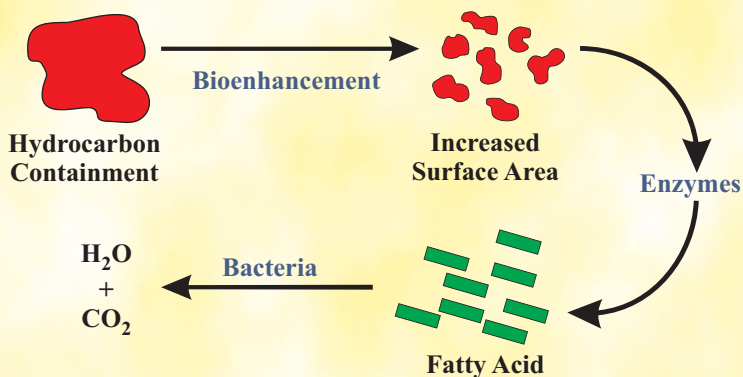


BENEFITS

- ◆ **Powerful** - Microbe Technology remediates hydrocarbons into water and carbon dioxide.
- ◆ **Effective** - Eliminates 100% of disposal costs.
- ◆ **Superior** - Replaces granular absorbents, socks, pads and caustic degreasers.
- ◆ **Versatile** - Easily applied with mops, auto floor scrubbers and degreasing equipment.
- ◆ **Fast** - Removes all oily, slick film leaving a non-slip surface to prevent slip-and-fall accidents.
- ◆ **Advanced** - Safe to use on any water-safe surface, including metal, concrete, plastic and rubber.
- ◆ **Economical** - Disposable in waste sewer drains, reduces discharge figures and is compatible with skimming, evaporators and polymer systems.
- ◆ **Safe** - Non-hazardous, neutral pH and low toxicity to plant, animal and marine life.

BIOREMEDIATION TECHNOLOGY

- ◆ Bioremediation uses microbes, enzymes and oxygen to biologically transform hydrocarbons into non-toxic substances carbon dioxide and water.
- ◆ It increases the surface area of the oil while the enzymes break down the contaminants into smaller molecules.
- ◆ The enzymes then attract the microbes which use oxygen to oxidize part of the carbon in oil to carbon dioxide.
- ◆ The rest of the carbon is used to produce new cells and the oxygen gets reduced, producing water.
- ◆ Once the reaction is complete, the enzymes and microbes break free to attach to another hydrocarbon source in order to repeat the same reaction.



Certifications

- ◆ **Recognized** - By the EPA's DfE Program as a safe alternative to chemicals without sacrificing performance.
- ◆ **Listed** - On the U.S. EPA National Contingency Plan ("NCP") Product Schedule.
- ◆ **Approved** - For food processing and food service facilities (A-1, A-4).



USES & APPLICATIONS

Hydrocarbon Degrade Chart

Crude Oil	Aviation Fuels	Diesel
Gasoline	Synthetic Oils	Methanol
BTEX	ATF/Brake Fluid	Solvents
Ethanol	Glycols/Antifreeze	Naphtha
Kerosene	Lubricating Oil	Motor Oil
Heating Oil	Hydraulic Fluids	Grease/Tar
Skydrol	Food-Grade Oil	Cutting Fluids

Dilution Chart

Applications & Ratios	Heavy Duty	Medium Duty	Light Duty
Floor Scrubber	1:20	1:30	1:40
Mopping	1:05	1:10	1:15
Degreasing	1:02	1:04	1:08
Pressure Washing	1:50	1:75	1:100
Spill Control	1:1	1:5	1:10

USES & APPLICATIONS

Mopping:

- ◆ **Powerful** - Outperforms traditional “degreasers” which emulsify and re-deposit oil.
- ◆ **Effective** - Dries quickly and increases traction eliminating slippery, greasy floors.
- ◆ **Superior** - Cleans mop buckets and mop heads extending life and performance.
- ◆ **Economical** - Lasts 5 times longer and treats more area than traditional cleaners.



Auto Floor Scrubber:

- ◆ **Powerful** - Performs better than “degreasers” which emulsify and re-deposit oil.
- ◆ **Effective** - Leaves oily, slippery floors clean, dry and residue-free.
- ◆ **Superior** - Cleans scrubbers brushes/pads, tanks, hoses and squeegees increasing performance.
- ◆ **Economical** - Dilute 3 ounces (1:40) - 6 ounces (1:20) per gallon of water.



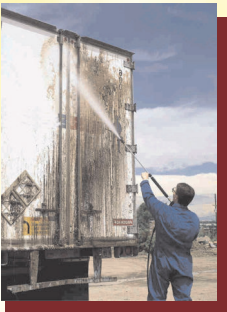
Degreasing:

- ◆ **Powerful** - Performs better than “degreasers” which emulsify and re-deposit oil.
- ◆ **Effective** - Leaves oily surfaces clean, dry and residue-free.
- ◆ **Economical** - Dilute 2.5 ounces (1:50) per gallon of water to full strength or pre-soak and rinse.
- ◆ **Safe** - On any water-safe surface (plastic, rubber, painted and metal).



Pressure Washing:

- ◆ **Powerful** - Removes tough oil, grease and grime deposits on all types of surfaces.
- ◆ **Effective** - Significantly reduces wash water pollutant levels.
- ◆ **Versatile** - Effective with cold and hot-water pressure washers.
- ◆ **Safe** - Will not harm pressure washer seals or pumps.



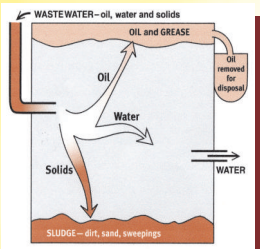
Emergency Response/ Spill Control:

- ◆ **Powerful** - Suppresses odors and vapors from volatile spills.
- ◆ **Effective** - Reduces “cradle-to-grave” liabilities.
- ◆ **Versatile** - Gas pump, railroad spills and disconnects and tank cleaning.
- ◆ **Economical** - Reduces cost of spill response and treatment.



Oil/Water Separators (“OWS”):

- ◆ **Powerful** - Reduces the frequency of pumping.
- ◆ **Effective** - Decreases sludge build-up and eliminates odors.
- ◆ **Versatile** - Dissolves the suspended or emulsified oils in the water.
- ◆ **Safe** - Complies with regulations and reduces violations.



Parts Washing Solutions

BioRem-2000 Parts Cleaner - Liquid™ (8003-005/5-gal., 8003-055/55-gal.)

A powerful, concentrated water-based bio-remediating parts' cleaner with superior cleaning capabilities which eliminates waste disposal costs, as well as health and safety risks. Effectively degrades gasoline (BTEX), diesel, motor oils, fuel oils, grease, antifreeze, hydraulic, brake, ATF, cutting fluids, as well as animal and vegetable oils and heavy synthetic oils and greases. Contains corrosion inhibitors to prevent flash rusting.



- ◆ **Powerful** - Microbe-powered concentrated water-based formula with superior cleaning capabilities.
- ◆ **Effective** - Consistent performance with quick breakdown and removal of oils and greases.
- ◆ **Versatile** - Safe to use on all washable surfaces, including metal, rubber, plastic and painted surfaces.
- ◆ **Safe** - No VOC's, pH neutral, caustic and solvent-free, non-flammable and non-hazardous.
- ◆ **Economical** - Dilute 20:1 (6.4 ounces per gallon) with water.

BioRem-2000 Parts Cleaner - Powder™ (8002-005/5-gal., 8002-055/55-gal.)

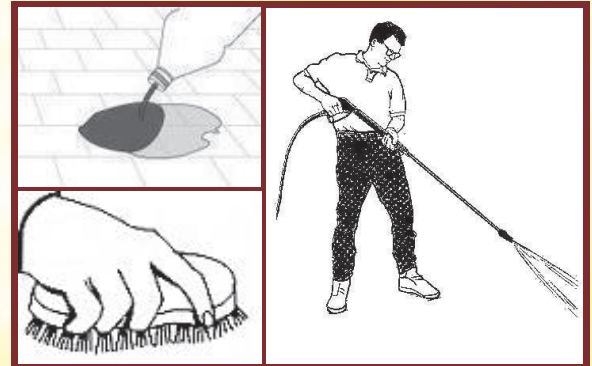
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- ◆ **Powerful** - Microbe-powered concentrated formula with superior cleaning capabilities.
- ◆ **Effective** - Consistent performance with quick breakdown and removal of oils and greases.
- ◆ **Economical** - Dilute 16 ounces (1 pound) per every 5 gallons of water.
- ◆ **Versatile** - Designed for use in any automated spray cabinet.

Oil Vanisher Ultimate Stain Remover™

- ◆ **Powerful** - Microbe-powered oil stain remover.
- ◆ **Effective** - Quickly removes stains regardless of age.
- ◆ **Versatile** - Removes stains from concrete, asphalt, pavers and more.
- ◆ **Safe** - Bio-based using only 100% all-natural ingredients.



How to Apply?

Concrete and Pavers: Add product to the stained area. Then apply half the amount of water as product used on the stained area. Use a brush to agitate the stained area for 1 to 2 minutes. Make sure the solution does not dry. If necessary, add more product and water. Rinse the area completely with clean, high-pressure water. If necessary, repeat the application. The product may take longer to remove stains in cooler temperatures.

Asphalt: Use the above directions; however, only agitate the stained area for 30 seconds. A long dwell time is NOT RECOMMENDED because of the oil content in asphalt.