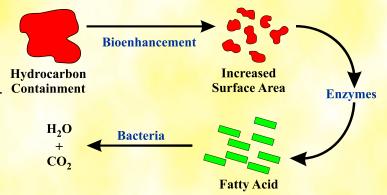


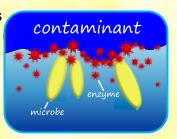
#### BENEFITS

- 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).



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## **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**

<b>Applications</b>	Heavy	Medium	Light	
& Ratios	Duty	Duty	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 presoak and rinse.
- Safe On any water-safe surface (plastic, rubber, painted and metal).





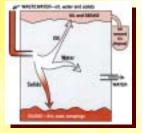
#### **Pressure Washing:**

- ♦ **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.)

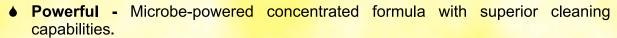
A powerful, concentrated water-based bio-remediating parts' cleaner with superior cleaning capabilities which eliminates waste disposal costs, as well as health and safety risks. Effectively degrades gasoline (BTEX), diesel, motor oils, fuel oils, grease, antifreeze, hydraulic, brake, ATF, cutting fluids,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

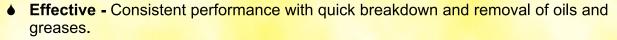


- ◆ Powerful Microbe-powered concentrated water-based formula with superior cleaning capabilities.
- Effective Consistent performance with quick breakdown and removal of oils and greases.
- Versatile Safe to use on all washable surfaces, including metal, rubber, plastic and painted surfaces.
- Safe No 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.)

A powerful, concentrated 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, greases, antifreeze, hydraulic fluid, brake fluid, ATF, cutting fluids, as well as animal and vegetable oils and heavy synthetic oils and greases. Contains corrosion inhibitors to prevent flash rusting.





- ♦ 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.

#### BioRem-2000 Surface Cleaner™

Material Safety Data Sheet

I. PRODUCT IDENTIFICATION:

**Manufacturer For:** Maintenance Products, Inc.

ADDRESS: 4820 Starcrest Drive, Monroe, NC 28110

PHONE: 704-289-4494

EMERCENCY CONTACT: CHEMTREC: 800-424-9300

CHEMICAL NAME: MIXTURE

COMMON NAME: BioRem-2000 Surface Cleaner

EFFECTIVE DATE: December 31, 2010

H.M.I.S./NFPA Rating Health 1, Flammability 0, Reactivity 0, P.P.E. B

II. HAZARDOUS INGREDIENTS:

Ingredients CAS % OSHA PEL ACGIH TLV

DOES NOT CONTAIN ANY HAZARDOUS INGREDIENTS

III. HEALTH HAZARDS:

Effects of Overexposure:

Eyes: May cause irritation to eyes.

Skin: Non-corrosive. No effect under normal use.

Inhalation: No effect under normal use.

Ingestion: Non-toxic. No effect under normal use.

IV. FIRST AID MEASURES

Eyes: Flush eyes for fifteen minutes with water. Skin: Wash exposed areas with soap and water.

Inhalation: Move to fresh air.

Ingestion: Drink two glasses of water. Do not induce vomiting.

V. FIRE AND EXPLOSION HAZARD DATA:

Flammability: Non-flammable Flash Point: Equal to water

Extinguishing Media: Dry chemical, water fog, CO2, sand.

Unusual Fire Hazards: None Expected. Products of combustion: Carbon oxides.

VI. ACCIDENTIAL RELEASE MEASURES

Material Spillage: Contain, retrieve spilled materials (absorb, pump, vacuum).

Follow all local, state and federal regulations.

VII. HANDLING & STORAGE:

Precautions: Store in cool, dry place. Prevent product from freezing.

Storage: Store at room temperature.

Other precautions: Keep closed when not in use. Keep out of reach of children.

VIII. EXPOSURE CONTROLS & PERSONAL PROTECTIVE

Engineering Controls: No control measures are required under normal

conditions.

Protective Equipment: Wear safety glasses and gloves.

IX. IX. PHYSICAL/CHEMICAL CHARACTERISTICS:

**Boiling Point:** 212 Appearance: Amber Specific Gravity: 1.0031 Form: Liquid Odor: VOC (g/L) 0 Bland Evaporation Rate: N/D Vapor Density: N/D Solubility: Soluble pH:

X. REACTIVITY DATA:

Stability: Stable
Conditions to Avoid: None known
Incompatibility: Acids, strong oxiders
Hazardous Polymerization: Will not occur
Corrosivity: Non-corrosive

XI. TOXICOLOGICAL DATA:

Toxicity Data: None as listed by OSHA, NTP, IARC or EPA

XII. ECOLOGICAL DATA:

Ecotoxicity: Non-toxic to aquatic organisms

XIII. DISPOSAL CONSIDERATIONS:

Waste Disposal: Dispose of in accordance with local, state and federal regulations.

XIV. TRANSPORT INFORMATION:

D.O.T. Hazard Classification: N/A – NON-REGULATED

XV. REGULATORY INFORMATION:

S.A.R.A. III Sec. 311 & 312: N/A

S.A.R.A. III Sec. 313: NOT covered under SARA 313

TSCA Registry: YES

XVI. OTHER INFORMATION:

The information provided in this MSDS is believed to be reliable and accurate. However, the information is provided without any warranty or guarantee, express or implied, regarding its correctness. We do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of the use of this information. The buyer assumes all responsibility of using and handling the product in accordance with the federal, state and local regulations.