OilCure

INNOVATIVE ENVIRONMENTAL REMEDIATION

WORKSHOP DEGREASER

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100% NATURAL

AllCure

Think beyond green!

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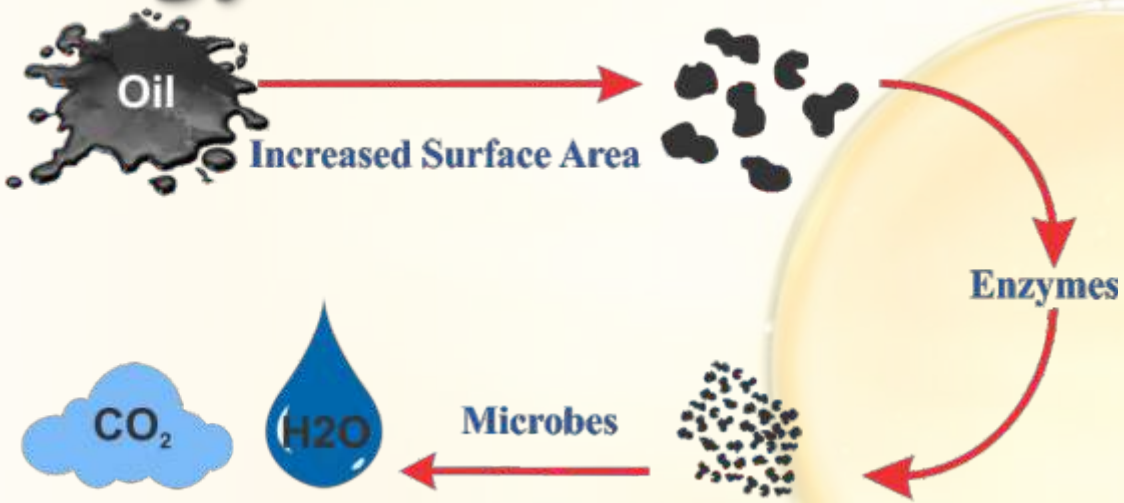
INNOVATIVE ENVIRONMENTAL REMEDIATION

Advantages

- Remediates oil, grease and other hydro-carbons on hard surfaces into water and carbon dioxide.
- Outperforms degreasers and absorbents with EPA recognized Microbe Technology.
- Significantly reduces disposal costs.
- Penetrates and dissolves tough, oily soils on most water-safe surfaces.
- Listed on the U.S. EPA's NCP Product Schedule.
- Recognized by the EPA’s Safer Choice program.
- Safe to use with a neutral pH, non-corrosive, no VOC's and is odor-free.

Technology



- **Biodispersion** – The microbes produce bio-surfactants, converting the hydrophobic water-insoluble petroleum hydrocarbons to hydrophilic.
- **Solubilization** – The bio-surfactants increase the surface area of the hydrocarbons breaking it down from macro to micro-sized molecules.
- **Assimilation** – The microbes secrete enzymes performs the process of cleavage, chopping the long chains of the solubilized hydrocarbons into two carbon units.
- **Mineralization** – The microbes convert the carbon units into carbon dioxide and water as a source of food for growth.

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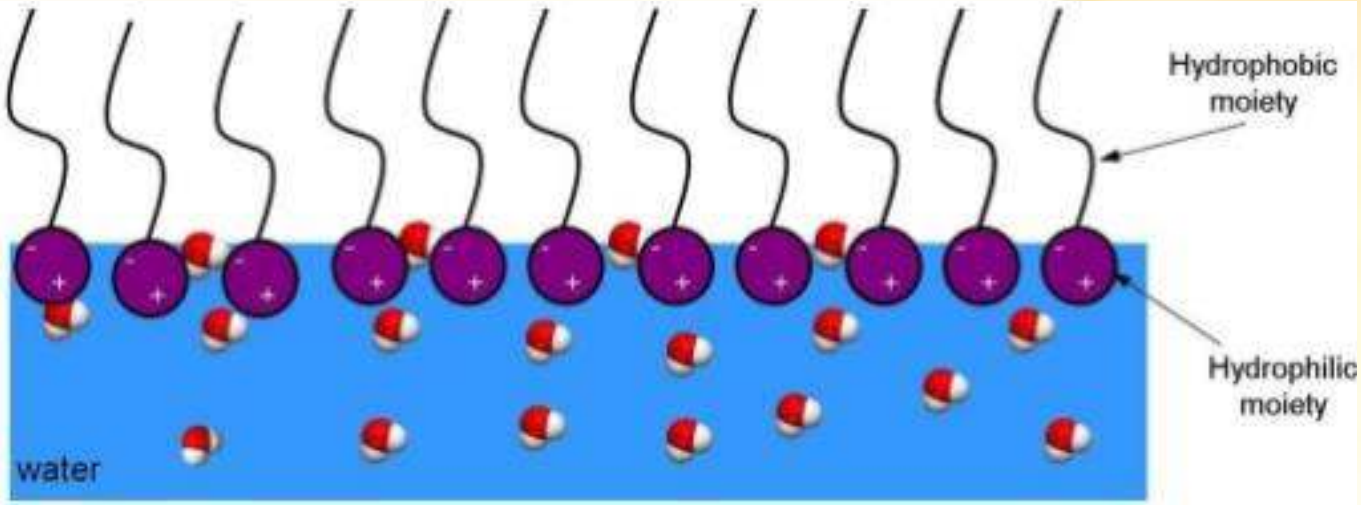
Role of Bio-Surfactants



- Bio-surfactants are natural biologically structurally diverse group of surface active agents secreted by the microbes and excreted into the surrounding environment.

- Bio-surfactants consist of two parts—a polar (hydrophilic) moiety and non-polar (hydrophobic) group.

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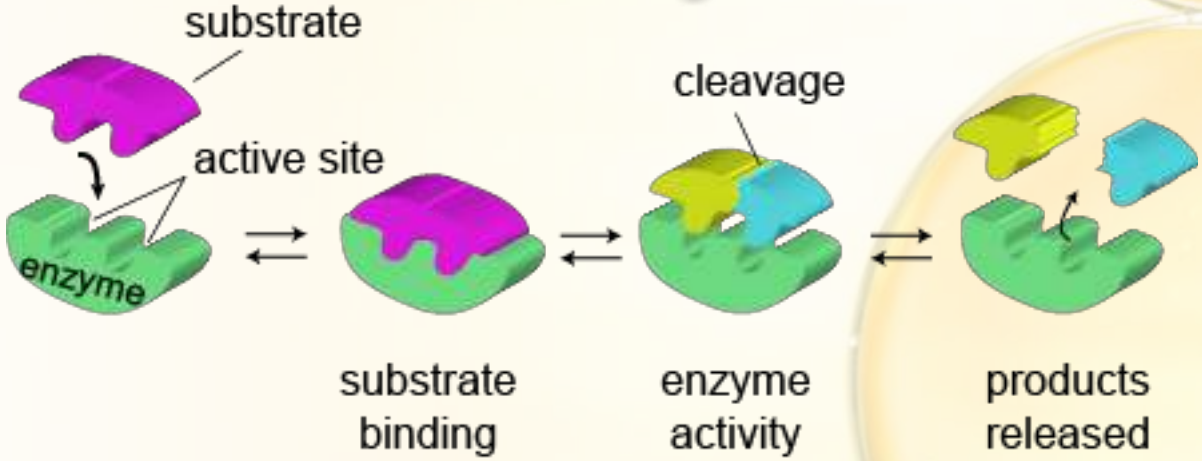
Role of Bio-Surfactants

Without Bio-Surfactants

With Bio-Surfactants

- **Bio-surfactants reduce surface tensions of hydrophobic water-insoluble contaminants, thereby increasing the surface area of insoluble contaminants, leading to increased mobility and bioavailability.**
- **The bio-surfactants enable the microbes to enzymatically attack the hydrocarbon on all 8 sides providing a 3-dimensional treatment.**

Role of Enzymes



- It is not uncommon for the terms “microbe” and “enzyme” to be used synonymously. However, they are not the same. Microbes are millions of tiny living “enzyme factories.”
- An enzyme is a complex protein which encourages a biochemical reaction by acting as a catalyst.
- Microbes continuously produce a complete "team" of fresh enzymes and multiple "teams" at the same time.
- The type of containment determines the type of enzymes produced, in what sequence, at what concentration and for what duration.

Outperforms Competition

- **Outperforms conventional degreasers:**
  - **Degreasers only emulsify and re-deposit oil, grease and grime.**
  - **Degreasers coat cleaning tools with an oily film reducing their efficacy.**
- **Replaces absorbent (granular, socks and pads) products.**
  - **Absorbents leave behind a oily, residue requiring addition labor and create slip-n-fall issues.**
  - **Absorbents must be disposed of as hazardous waste increasing costs.**

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Mopping & Auto Floor Scrubbers

- Outperform conventional degreasers which only emulsify and re-deposit oil, grease and grime onto other surfaces.
- Quickly cuts through grease, oil and grime restoring floors with a “deep-cleaning.”
- Restores the cleanliness of scrubber’s brushes, squeegees and recovery tanks.
- Cleans mop buckets, extending the life of mop heads up to 33%.
- Floors dry quickly – eliminating slippery floors - increasing traction even on wet floors.
- Safe to use in all floor scrubbers and on concrete, tile painted, urethane, epoxy and waxed floors.

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Degreasing & Pressure Washing

- Tough on dirt – dissolves oil, grease and grime.
- Produces a “super-cling” foam that cleans as it clings.
- Significantly reduces pollutant levels of the water from pressure washing and degreasing.
- Safe on most water-friendly surfaces (plastic, rubber, painted, plexi-glass and metal).
- Applied with traditional spraying equipment.

Emergency Spill Response & Fuel Islands

- Knocks down vapors, reduces VOC's and elevates LEL's on gasoline, diesel, jet fuel, etc.
- Renders fuel spills and many solvents non-flammable.
- Reduces spill clean-up time and disposal costs by eliminating absorbents and fire-fighting foam.
- Dries quickly and leaves road surfaces non-slippery during and after application.
- Stops asphalt deterioration from fuel spills and eliminates sheen on water.
- Can be applied in wet or windy conditions.

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Degradation & Dilution Chart

Hydrocarbon Degradation Chart

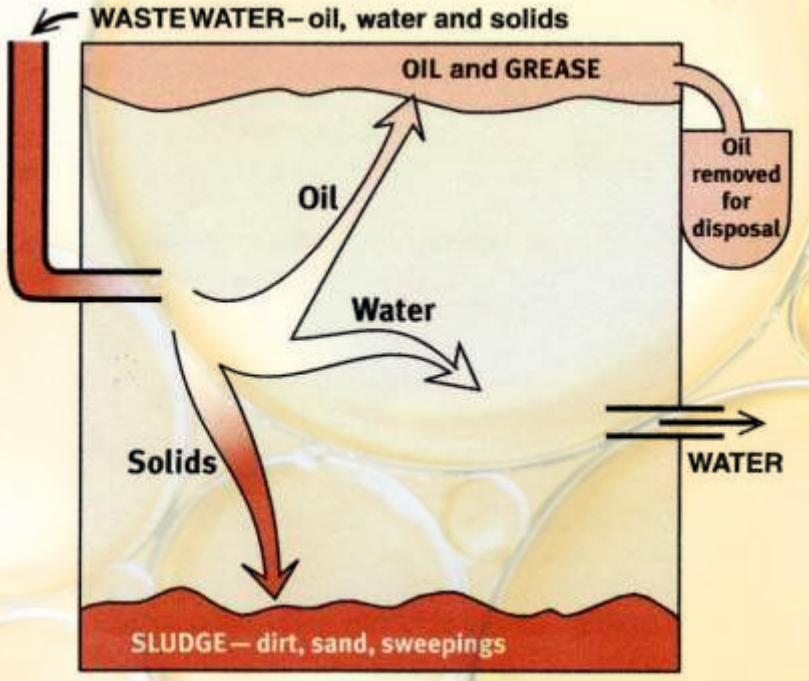
Crude Oil	Aviation Fuels	Diesel	Heating Oil
Gasoline/BTEX	Synthetic Oils	Methanol	Hydraulic Fluids
Cutting Fluids	ATF & Brake Fluid	Solvents	Grease/Tar
Ethanol	Glycols/Antifreeze	Naphtha	Skydrol
Kerosene	Lubricating Oil	Motor Oil	Food-Grade Oil

Applications Dilution Chart

Application	Heavy Duty	Medium Duty	Light Duty
Floor Scrubber	1:20	1:30	1:40
Mopping	1:5	1:10	1:15
Pressure Washing	1:25	1:50	1:75
Degreasing	1:2	1:4	1:8
Spill Control	1:1	1:5	1:10

Disposal Considerations

- The preferred environmental technology method of disposing is in an oil/water separator.
- It reduces the frequency of pumping by decreasing sludge build-up and dissolving emulsified oils.
- Alternative disposal options are pre-treatment and/or waste water treatment facilities.
- It is compatible and assist with skimming, evaporators, biological and polymer treatment systems.



Markets & Industries

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Aerospace	Agriculture	Aircraft	Automotive
Beverage Production	Drilling Rigs & Platforms	Food Processing	Food Service
Grounds Maintenance	Highway/Street Maintenance	HVAC	Lumber & Wood
Machining	Manufacturing	MRO	Mining
Painting	Petroleum & Gas	Plastic Extrusion	Printing
Sanitation & Waste	Sewage Treatment	Steel & Metal Production	Textile Manufacturing
Fleet Maintenance	Marine Transportation	Rail & Subway Transportation	Utilities