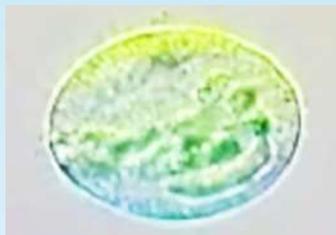


# TersOx™ Microbe



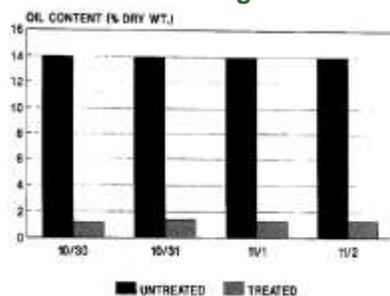
- Powdered product for easy implementation, injection & distribution
- A synergistic blend of preselected, adapted microorganisms for bioremediation
- Effective on crude and many petroleum derivatives
- Fast-acting, affordable, and effective solution

## Adapted Microorganisms with Enhanced Hydrocarbon Degrading Capability

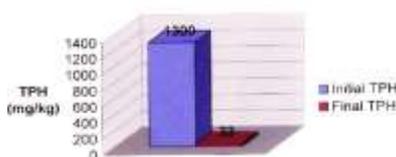
### Bioaugmentation for Petroleum



### Bio-slurry of Steel Mill Sludge Oil Content of Sludge



### Bio-farming of Diesel Fuel



## Principle

*TersOx™ Microbe* is a synergistic blend of preselected, adapted microorganisms formulated for a broad range of bioremediation programs. It is specifically formulated for use in solving problems associated with spillage of and other forms of contamination by petroleum hydrocarbons, petrochemicals and related wastes. It is effective on crude petroleum, gasoline, and diesel fuel, machining oils, hydraulic fluids, solvents, monomers and other petroleum derivatives.

*TersOx™ Microbe* combines preselected, adapted microbial strains with enhanced hydrocarbon degrading capability. When used on a regular basis, this combination can improve the breakdown of oily and chemical mixtures at nominal cost. *TersOx™ Microbe* contains a combination of aerobic and facultative anaerobic microorganisms selected from nature for their ability to break down a broad range of wastes from petroleum recovery, transportation, storage, and refining, steel making, metal forming, textile, hydrocarbon and chemical processing.

## Advantages

- Clean, low-cost, non-disruptive application
- Decreases remediation time
- Contains a combination of aerobic and facultative anaerobic microorganisms
- Highest Nominal Microbe Count at  $5 \times 10^9$  cells / gram

## Field Application Design

In general, *TersOx™ Microbe* is applied in combination with other synergistic *TersOx™* products. Your Tersus Technical Representative will provide you with a custom-tailored application to fit the specific needs of your water or soil cleanup program.

For best results, apply this product under the following conditions:

Condition	Range	Optimum
Dissolved Oxygen, ppm	0.5 – 2.5	2.0
pH	6 – 9	7
Temperature °C	10 – 40	35
Toxic Heavy Metals, ppm	Trace	None
Nutrients:		
BOD: NH <sub>3</sub> -P	10: 1-10: 0.5	10: 1
BOD: PO <sub>4</sub> -P	100: 1 - 100: 0.5	100: 1

If you are operating outside these ranges, contact your Tersus Technical Representative for recommendations.

## Product Content

Non-hazardous Microorganisms and degradative enzymes absorbed on wheat bran, corn gluten and diatomaceous earth. Other contents may include Dolomite, and traces of crystalline silica, urea and diammonium phosphate.

## Product Characteristics

Appearance	Beige, granular powder
Contents	Preselected, adapted microorganisms
Nominal Microbe Count	Formulated to contain 5 x 10 <sup>9</sup> cells / gram
Shelf life	Two years

## Packaging Options

- 25-lb (11.3 kg) plastic pails
- 220-lb (100 kg) fiber drums

## Storage and Handling

Store at 45 - 105 °F (7 - 40 °C) under dry conditions; DO NOT FREEZE.

CAUTION: Avoid inhalation of dry powder or liquid mist. Avoid exposing skin to dry powder or strong solution as irritation may result. If material contacts skin or eyes, flush thoroughly and repeatedly with water.

## Safety

The use of body protection appropriate to task being performed is always suggested when handling chemicals. Wear impervious gloves for prolonged or repeated exposure as appropriate to task. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada or other relevant standards.



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