

NONTOX PROTOCOL FOR TOTAL PETROLEUM HYDROCARBON (TPH) BIO-REMEDIATION
ADVANCED BIO-ORGANIC CATALYST COMPOSITION
FOR GENERAL GUIDELINES: ONE (1) PART OF NONTOX FOR ONE (1) PART OF TPH CONTAMINATION



APPLICATION RATES:

SOILS: To treat (1) cubic yard, or 4200 lbs.
up to 500 TPH = 20.5 oz. in (4) Gals. Of Water
up to 2500 TPH = 25.6 oz. in (4) Gals. Of Water
over 2500 TPH = 30.7 oz. in (4) Gals. Of Water

Maintain soil moisture @ 15 - 18%, Apply in (3) Equal Applications 5 - 7 Days Apart

(1) Cubic Yard = 4200 Lbs. (1) Ton = 2000 Lbs.

PAVEMENTS: For treating Pavement Surfaces, such as below, use 2.5% Dilution of NONTOX in PowerWasher:
(For best results: High Pressure, Above 500 psi)

1. Concrete
2. Asphalt
3. Copplestone
4. Compacted Earth
5. Steel or Metal Plate
6. Laminates

WATERS: For treating TPH Contaminated Waters, Use (1) Part of NONTOX for (1) Part of TPH Contamination
(Good agitation with contaminated waters recommended.)

1. Salt Water
2. Fresh Water
3. Tanker Ships
4. Tanker Trucks

* For additional nutrient requirements for active biological cultures in waters or soils, a liquid NPK fertilizer is advised.

FIRE PREVENTION CAPABILITIES:

1. Open Cup Flash Point Tests: Non-Flammable
2. Auto Ignition Tests: Non-Flammable



NONTOX will significantly reduce ability of fuel spills to ignite.

SAFETY PROFILE:

NONTOX is completely non-toxic and safe to marine, animal and human life. 100% Bio-Degradable. Extensive independent laboratory testing utilizing accepted standards for dermal and ocular effects on animal and human subjects have been performed. Phytoxicity, bacteria community and internal aquatic safety studies are well documented.

VOLATILE ORGANIC (VOC) ODORS:

NONTOX will eliminate the noxious odors associated with crude oil, petroleum derivatives, chlorinated aromatic compounds, and other petroleum based products.

MECHANISM OF ACTION:

NONTOX works through an accelerated natural breakdown of petroleum hydrocarbon substances (bio-catalysis). Works in concert with indigenous microbiology, introduces no cultured or foreign bacteria into the ecosystem. Natural biological populations in Sea Water ecologies have increased by over 12,000% with NONTOX.

APPLICATION EQUIPMENT:

NONTOX is fully compatible with most types of application equipment used, including; hand or power sprayers, standard educator tubes, tankers, helicopters, airplanes, or floating equipment.

TPH BIO-REMEDIATION:

NONTOX has demonstrated in independent studies reductions in TPH levels of up to 90% in jet fuel, diesel fuel, and heavy duty lube oil, within days. Light volatile hydrocarbons reductions very rapid.