



TerraCleanse-1200™ (TC-1200)

Enhanced Nano Technology for Hydrocarbon Recapture or Destruction

Generic Description

TC-1200™ is a cutting edge nano technology designed to liberate and desorb oil from any surface media.

General Information

TC-1200™ is a cutting edge new nano technology designed to liberate and desorb oil from any surface media. It's constituted from completely natural ingredients and brings together patent pending technologies in a single formula to tackle a wide variety of applications.

TC-1200™ utilizes a nano scale technology to produce a linear micelle surfactant from fractions of plant oils. Through a proprietary process, a reactive form of iron is then encapsulated and placed into colloidal phase between the micelles. A timed release of the iron allows for the oil to be recaptured before the carbon-to-carbon bonds are broken and the oil destroyed.

TC-1200™'s rapid and highly effective results surpass all current standards on the market and is revolutionizing the way in which service providers approach cleaning projects. Cleaning while being able to recover hydrocarbons and reuse treatment water changes everything.

TC-1200™ can be used as a stand-alone product or in combination with other products from the THC line.

Applications

- ◆ Desorbing Hydrocarbons from any Media
- ◆ In-situ Hydrocarbon Destruction
- ◆ Equipment Cleaning
- ◆ Soil Washing - Oil Extraction and Recovery
- ◆ Water Extraction and Separation from Oil
- ◆ Grease Trap Cleaning and Maintenance
- ◆ Wet Well / Lift Station Cleaning
- ◆ Heavy crude transport in pipelines
- ◆ Down hole wettability change
- ◆ Well bore clean up

Typical Physical Properties

Form, @ 70°F	Clear Viscous Liquid
Color	Reddish
Odor	Mild, Slight Amine Like
Density, (lb/gal)	8.65
Viscosity, cSt @77°F	508
Flash Point, °F (TCC)	None
Vapor Press., mm Hg	20
PH @ 77°F	6.0 - 7.1
Boiling Point, °F	>212
Solubility	
Fresh Water	Infinite
High TDS Brine	Soluble
Isopropanol	Miscible

Features

TC-1200™ lowers the dyne of water and significantly enhances the penetrating ability of the solution and its efficiency to deliver its active ingredients deep into the surface of any media.

- ◆ It's Hyper-Wetting
- ◆ Enhances Penetration in Media
- ◆ Mobilizes Contaminates or Crude
- ◆ Breaks Down Clay Layers
- ◆ Completely Environmentally Safe
- ◆ Natural and 100% biodegradable
- ◆ Non-carcinogenic, non-fuming, Non-toxic and non-flammable
- ◆ Requires no special handling

Shipping and Handling

All blends with **TC-1200™** should be stored in either lined steel or plastic drums. **TC-1200™** is available in 55-gallon drums, 275-gallon IBC totes, and bulk tank wagons. As with any individual chemical, avoid prolonged contact with skin. In case of skin or eye contact, flush exposed area with copious amounts of water. A Safety Data Sheet outlining proper handling of this product is available upon request, or will be forwarded upon the purchase of **TC-1200™**.

US: Non-Regulated / Nonhazardous

Disclaimer of Liability: Terra Hydro-Chem, Inc. warrants to purchasers, but no third parties or others, the specifications for the product shall fall with a generally recognized range for typical properties established by Terra Hydro-Chem, Inc. when the product departs from Terra Hydro-Chem, Inc.'s point of origin and that any services shall only be performed in WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, REGARDING ANY SERVICES PERFORMED OR PRODUCT SUPPLIED. Terra Hydro-Chem, Inc. will give purchaser the benefit of Terra Hydro-Chem, Inc.'s best judgment in making interpretations of data, but does not guarantee the accuracy or correctness of such interpretations. Terra Hydro-Chem, Inc.'s recommendations contained herein are advisory only and without representation as to the results. Terra Hydro-Chem, Inc. shall not be liable for any indirect, special, punitive, exemplary or consequential damages or losses from any cause whatsoever including but not limited to its negligence.