

**Specially formulated for frack tanks, this product demulsifies solid contaminants and renders them into sludge for easy cleanup.**



RAW's non-toxic, non-flammable Frack Tank Cleaner aids in extending the use of frack water by settling all solids.

### **RAW Biochem Is**

Readily Biodegradable  
Non-Reactive  
Non-Toxic  
Non-Corrosive  
Non-Hazardous  
Not Flammable  
Contain No VOC's

### **RAW Biochem Products Do NOT Contain**

Petroleum Distillates  
Glycol Ethers  
Caustics  
Ozone Depleting Agents  
Nonylphenols  
Endocrine disruptors

[www.rawbiochem.com](http://www.rawbiochem.com)

RAW's Frac Tank Cleaner and water treatment solution is designed to make the difficult task of cleaning frac water tanks easier, while also increasing worker safety.

Proprietary micelle formulation improves settling characteristics by reducing water surface tension until it no longer holds solid contaminants in solution. Suspended solids including barium, calcium, chlorides, iron, magnesium, manganese, strontium quickly settle out, mudded and rendered into a solid sludge for treatment or disposal. Water can be repeatedly reused, thus reducing environmental discharge fees, transportation costs, insurance premiums, liability costs, road repair costs and of transporting more water to site.

Frac tank cleaner will demulsify hydrocarbons, paraffin and waxes. Sidewalls and floors will wash clean and free of all contaminants and leave behind a fresh smelling tank with a near invisible polymer residue that aids in preventing re-adherence of contaminants to the tank walls. Cleaning with this product becomes easier with each use.

Other benefits including:

- Frac Storage Tank Cleaner is fully biodegradable with no special clean up requirements in case of a cleaner spill.
- Neutralizes odours in the tank making safer conditions for cleaning staff. No other special work safe procedures are needed for its use.
- Minimal heat or mechanical agitation is required.
- Works well in fresh water or brine.

## TECHNICAL DATA SHEET

### Description

RAW's Tank Cleaner is a concentrated blend of readily biodegradable ingredients which aid in the settling of suspended solids in produced water.

The active ingredients are safe to use on all substrates and will not damage steel, glass, fiberglass or plastic.

### Physical State

Liquid

Colour	Amber
Odour	Mild
pH	8.4 – 8.9
Base	Plant Extracts
Persistence & Degradability	Readily Biodegradable

### Directions for Use

#### Sidewall & Floor Cleaning

Pre-dilute product as per instructions and then apply with a pressure washer, sprayer or pump.

Dilution range is 1-part product to 50 up to 750 parts water. Works equally well with fresh/salt water or brine.

Pump out effluent and then pressure wash to rinse.

Thoroughly and completely wet the tank, allowing the product to dwell. This product is free rinsing in both fresh and salt water.

#### Frack Water Treatment:

For water treatment, apply the product to the water

needing treatment and agitate aggressively to ensure complete dilution. Dilution level will widely range depending on level of solids contained in frack water. Bottle test before agitation to verify dilution levels.

Allow the water to dwell as the product removes the contaminants to the bottom of the tank. Decant the water and dispose of the remaining solids.

### C.H.A.T.

**Chemical:** Unlike typical petrochemicals, RAW formulations may not perform as well with higher concentrations of product than they would with higher dilution rates. In a new process or application, trials are strongly recommended to achieve the correct chemical concentration.

**Heat:** The optimum temperature ranges from 43°C – 80°C. Product can be used in steam applications up to 490°C (540°F).

**Agitation:** Where applicable, agitation aids in dislodging soils from surfaces so they can be rinsed away.

**Time:** Dwell time is dependant on the application, heat and chemistry but generally speaking, longer dwell times enable more satisfactory results.