

RAW's Aqueous based defoamer works in high as well as extremely low temperatures in all pH fluids.



RAW's Aqueous based defoamer is an ideal companion for all industries requiring foam removal.

**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

RAW's Aqueous Based Defoamer is used in the removal and prevention of undesirable foam in:

- Drilling Operations
- Completion Fluids
- Waste Water Treatment and
- Industrial Cleaning and applications where defoaming are necessary.

RAW Biochem' aqueous based defoamer is a low viscosity, liquid defoaming agent designed to reduce surface tension and destabilize the foam lamellas. This causes rupture of the air bubbles and a breakdown of surface foam.

Aqueous based defoamers effectively remove entrapped air from all types of water-based drilling fluids, waste water systems and industrial cleaning processes and performs equally well in saltwater, brine or freshwater as well as with all common mud additives and completion fluids.

- Aqueous Based Defoamers leave no odour or substantial residue.
- It effectively defoams drilling mud containing fresh water, brine or salt water.
- Helps stabilize pump pressure by removing trapped air and gas.
- Standard mixing procedures.
- Fast acting and effective at low concentrations in a wide range of systems.
- Low environmental footprint.
- Performs at high as well as extremely low temperature
- Can be used with any pH from alkaline to acidic.

## TECHNICAL DATA SHEET

### Description

RAW's Aqueous based defoamer is a super-concentrated blend of readily biodegradable and safe-to-use ingredients derived from domestically grown and created sources.

Diluted, ready-to-use products are safe to use on all substrates and will not damage steel, glass, fiberglass or plastics.

### Physical State

### Liquid

Colour	Opaque White
Odour	Mild
pH	5 – 7
Base	Plant Extracts
Persistence & Degradability	Readily Biodegradable

### Directions for Use

Aqueous based defoamer is designed as a water miscible product for the reduction of foam.

For use as an Anti-foam mix super-concentrated product into fluid at a rate of approximately 2,500 – 5,000 parts water to 1-part super-concentrated Aqueous Based Defoamer.

For use as an atomizer or a spray nozzle, dilute product 4-parts water to 1-part concentrate

### 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.