

The Eliminator easily overcomes deadly human resource issues associated with H<sub>2</sub>S, Mercaptans, Ammonia, LEL's.



#### **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 Eliminator is designed with a unique saponification formula which encapsulates the offending molecule enabling safe and easy disposal.

The Eliminator is designed with a unique colloidal formulation:

- The Eliminator encapsulates offending molecules.
- Formulation Is not pH based
- The parent chemical is benign
- Does not create solids, residual sludge or gas by-product even after the product is spent
- Can be utilized at a wide range of temperatures up to + 400°C
- With additives, formulation can perform in temperatures as low as - 40°C
- Is miscible with & separates out with water
- An optional de-scaler additive can be included
- Can be purchased with optional winterized ingredients
- Spent fluids may be repurposed as black water or used in steam applications
- Low cost basic PPE equipment can be used
- Gas stream will not harm equipment or compressors
- Works well in airborne, gaseous and fluid environments

The flexible nature of this powerful agent is an ideal companion for use in treating:

- Sour Wells
- Pipelines
- Portable & Permanent Storage Tanks
- Facility turnarounds with treaters, separators, FWKO's, compressors, water disposal and injection pumps and venting
- Refineries
- Gas Plants
- Drilling Muds

## TECHNICAL DATA SHEET

### Description

The Eliminator is a super-concentrated blend of readily biodegradable fatty oils and alcohols derived from domestically grown sources. This Eliminator destroys the offending molecule without damaging or in any way altering the non-renewable resource coming into contact with it.

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

### Physical State

### Liquid

Colour	Light Amber
Odour	Soapy Citrus
pH	11.1 – 11.5
Base	Plant Extracts
Persistence & Degradability	Readily Biodegradable

### Directions for Use

- The Eliminator is formulated as a super-concentrate only.
- Dilution rates will vary from 100 to 3,000 parts water to 1-part product depending on application.
- When diluting product, water should be added FIRST into the mixing vessel, followed by the product itself. Following the above procedure will prevent the mix from excessive foaming.
- Agitate/mix slowly until thoroughly mixed
- Product efficacy will be reduced with contaminated dilution water as the product will immediately begin to work at remediating the water it is suspended in concurrent to the H<sub>2</sub>S stream.
- For optimum results, test in the field before use and review results of test prior to full use
- Spent product can be treated as per standard water discharge processes and is not classified as a hazardous good.

- Spent product may be used as black water for pressure washer or for steam washing.
- Product may be purchased with winterizing agent as well.

For full instructions request standard operating procedures.

### 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.