

**Food Service Equipment Cleaner is a super active colloidal liquid cleaning concentrated de-greaser designed for heavy grease or fatty waste cleaning in virtually any environment.**



RAW's Equipment Cleaner is capable of removing all carbon soils including petroleum derivatives, fats, oils, greases, lipids, proteins and sugars.

**RAW Biochem Is**

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

**RAW Biochem Products  
Do NOT Contain**

Petroleum Distillates  
Glycol Ethers  
Caustics  
Ozone Depleting Agents  
Nonylphenols  
Endocrine disruptors  
Xenoestrogens

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

RAW's Food Service FS400-1 Equipment Cleaner is a super active colloidal cleaning concentrate designed for heavy grease & fatty waste cleaning.

Food Service FS400-1 is NON-HAZARDOUS cleaning solution designed to speed up and improve degreasing cleaning operation while triggering the organic degradation process on contact and as processing wastewater is generated. This product does not contain bacteria or enzymes.

This product is bio-based (*as reviewed by Institute for Organic Crop Production*) and no ingredients are listed as carcinogenic by IARC, ACGIH, NTP or OSHA.

This unique product combines several powerful properties to assist its cleaning action:

- Peptizing, emulsifying, degreasing and dispersing properties to break down proteins, fats, and oils. Coagulated blood and fat are quickly DECOMPOSED and remain soluble to prevent drain and pipe clogging. Debris is dispersed and permanently held in suspension;
- Excellent rinsing properties to prevent re-deposition of the dispersed greases or FOG (*Fat, Oil & Grease*) back onto the clean surface.
- Excellent for effectively softening the water;
- Wetting and penetrating properties bring the cleaning solution into intimate contact with wastes adhering to a surface;
- Food Service 400-1 complies with legal and regulatory requirements addressing safety, health and biodegradability; it is stable upon storage, non-caking and non-dusting.

## TECHNICAL DATA SHEET

### Description

RAW's FS400-1 Equipment Cleaner is a concentrated blend of readily biodegradable ingredients which revert back to their original state when in contact with naturally occurring micro-organisms, oxygen and water.

In its diluted form, product is compatible with all surfaces and will not harm or damage substrates.

### Physical State

### Liquid

Colour	Amber
Odour	Mild
pH	9.5 – 9.8
Base	Plant Extracts
Persistence & Degradability	Readily Biodegradable

### Directions for Use

Product formulation is a super-concentrate. Product efficacy is activated by dilution with fresh water.

Product use strategy is dependent on:

#### 1. Dilution:

- Dilution rates will vary depending on the degree and depth of soil requiring removal.
- Always test dilution strength first
- Optimum dilution temperatures are greater than 37°C (100°F). Product performance increases with hotter temperatures.
- Product will perform in temperatures ranging up to steam grade of 218°C (425°F).

#### 2. Application Method: Can be used in:

- pressure washers,
- foamers,
- steam cleaners,
- soak tanks or
- simply spray and wipe.

#### 3. General Cleaning

- Dilute with 1-part product to 128 parts water.
- Excellent for janitorial, schools, hospitals, homes, general cleaning & pressure washers.

#### 4. Medium Cleaning

- Dilute with 1-part product to 30 parts water.
- For use on prep table and for equipment maintenance, oily/badly soiled floors and carpets, manufacturing, food processing areas and heavy stained walls/doors.

#### 4. Extra Heavy Cleaning

- 1-part product to 5 to 10 parts water.
- Great for ovens, baked-on foods, greasy floors, range tops, tile, concrete brick and floors.

#### 5. Steam; Note that product can be injected prior to or after heat source.

#### 6. Dwell Time:

- It is critical to recognize that depth of soil on substrate will determine dwell time. A greater depth of soil will require a longer dwell time before removal.
- Vertical surfaces may also require longer dwell times. The inability for liquids to remain in-situ may require reduced dilution rates and may also require re-application.

Test dilution rates, temperature, agitation levels and dwell time in lab or on-site prior to full dilution.

Contact your RAW representative or distributor for further assistance in determining optimum results for your application.