

Heavy Duty Floor & Drain Cleaner is a powerful colloidal solution which breaks down/removes tight carbon bonds in fats, oils and grease attached to substrates and to other organic debris.



RAW's Floor & Drain cleaner safely separates fats, oils and grease from all substrates and other organics and will keep them in suspension indefinitely.

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

RAW's Heavy Duty Floor & Drain Cleaner super-concentrate is an extremely active nano-technology based colloidal cleaning solution designed to break tight carbon bonds which enable heavy grease & fatty waste to adhere to concrete and tile floors, to trough and pocket drains and piping as well as to other organic matter in the waste stream.

HD Floor & Drain Cleaner will remove all fat, oil and grease (FOG) components and prevent re-adhesion to all substrates as well as to other organics in the waste stream without damaging any surfaces.

Heavy Duty Floor & Drain Cleaner is a NON-HAZARDOUS solution designed to trigger the organic degradation process on contact and as processing wastewater is generated. This product does not contain bacteria or enzymes.

This formulation is bio-based (*as reviewed by Institute for Organic Crop Production*).

No ingredients are listed as carcinogenic by IARC, ACGIH, NTP or OSHA.

HD Floor & Drain cleaner is a unique product which combines several powerful properties to assist its cleaning action:

- Excellent rinsing properties to prevent re-deposition of the dispersed greases or FOG (*Fat, Oil & Grease*) back onto the clean surface.
- Wetting and penetrating properties bring the cleaning solution into intimate contact with wastes adhering to a surface.

TECHNICAL DATA SHEET

Description

RAW's FS400-1 Heavy Duty Floor & Drain 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	Citrus
pH	8.5 – 9.7
Base	Plant Extracts
Persistence & Degradability	Readily Biodegradable

Directions for Use

Product formulation is a super-concentrate. 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 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 & steam cleaners
- foamers,
- soak tanks or
- simply spray and wipe.

3. Floor Cleaning

- Dilute with 1-part product to 15 up to 75 parts water depending on degree and build-up of soil.
- Apply diluted Heavy-Duty Floor & Drain Cleaner to the floor or surface requiring cleaning.
- Allowing it to dwell for a few minutes' increases efficacy.
- Agitation with a brush or other tool will also accelerate cleaning action and improve performance. This is especially important on rough concrete surfaces.
- Note that product can be injected prior to or after heat source.

4. Drain Cleaning

- Dilute with 1-part product to 25 parts HOT water in a 20 litre (5 US gallon) pail.
- Pour directly into trough or pocket drains.
- DO NOT FLUSH DRAINS IMMEDIATELY.** Allow product to dwell in drains.
- Natural flushing from washing the floors will suffice to flush the drains.
- If RAW's Heavy Duty Floor & Drain cleaner is regularly used for floor cleaning, special attention may not be required for drain cleaning as natural action of diluted Floor Cleaner product should keep drains clean of all organics & FOG build-up.
- If drains require further cleaning, repeat action of 4(b)

4. 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.

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.