

# Bio-Flow™ Ultra – Concentrated Grease Trap Maintainer

## Safety Data Sheet

**TOTAL**  
SOLUTIONS™

### SECTION 5: Firefighting measures

- 5.1. Extinguishing media**  
Suitable extinguishing media : Adapt extinguishing media to the environment.
- 5.2. Special hazards arising from the substance or mixture**  
Reactivity : Upon combustion: CO and CO<sub>2</sub> are formed.
- 5.3. Advice for firefighters**  
Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures**  
General measures : Isolate from fire, if possible, without unnecessary risk.
- 6.1.1. For non-emergency personnel**  
Protective equipment : Protective goggles. Gloves. Protective clothing.  
Emergency procedures : Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area.
- 6.1.2. For emergency responders**  
Protective equipment : Equip cleanup crew with proper protection.  
Emergency procedures : Stop leak if safe to do so. Stop release. Ventilate area.
- 6.2. Environmental precautions**  
Avoid release to the environment. Prevent entry to sewers and public waters.
- 6.3. Methods and material for containment and cleaning up**  
For containment : Contain released substance, pump into suitable containers.  
Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local legislation.
- 6.4. Reference to other sections**  
No additional information available

### SECTION 7: Handling and storage

- 7.1. Precautions for safe handling**  
Precautions for safe handling : Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing.  
Hygiene measures : Wash thoroughly after handling. Wash contaminated clothing before reuse.
- 7.2. Conditions for safe storage, including any incompatibilities**  
Technical measures : Comply with applicable regulations.  
Storage conditions : Keep container closed when not in use.  
Storage area : Meet the legal requirements. Store in a cool area. Store in a well-ventilated place.  
Special rules on packaging : meet the legal requirements.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

UNDECETH-5 (34398-01-1)

Not applicable

#### 8.2. Exposure controls

- Personal protective equipment : Safety glasses. Gloves. Protective clothing. Use appropriate personal protective equipment when risk assessment indicates this is necessary.



### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

- Physical state : Liquid  
Appearance : Hazy, green liquid.  
Odor : mint-like

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Odor threshold	: No data available
pH	: 6.5 - 7.5
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 212 °F
Flash point	: > 200 °F Closed cup
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Specific gravity / density	: 1.04 g/ml
Solubility	: Soluble in water.
Log Pow	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
VOC content	: < 1 %

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Upon combustion: CO and CO2 are formed.

#### 10.2. Chemical stability

No additional information available

#### 10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

#### 10.4. Conditions to avoid

No additional information available

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### UNDECETH-5 (34398-01-1)

LD50 oral rat	> 1400 mg/kg
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Skin corrosion/irritation : Not classified  
pH: 6.5 - 7.5

Serious eye damage/irritation : Causes serious eye damage.  
pH: 6.5 - 7.5

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity – single exposure : Not classified

Specific target organ toxicity – repeated exposure : Not classified

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Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: None under normal use.
Symptoms/injuries after skin contact	: Contact during a long period may cause slight irritation.
Symptoms/injuries after eye contact	: Causes serious eye damage.
Symptoms/injuries after ingestion	: Gastrointestinal complaints.
Likely routes of exposure	: Skin and eye contact

### SECTION 12: Ecological information

#### 12.1. Toxicity

UNDECETH-5 (34398-01-1)	
LC50 fish 1	< 10 mg/l
EC50 Daphnia 1	< 10 mg/l
ErC50 (algae)	< 10 mg/l

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT : Not regulated for transport

DOT Special Provisions (49 CFR 172.102) :

DOT Vessel Stowage Location :

#### Additional information

Other information : No supplementary information available.

#### ADR

No additional information available

#### Transport by sea

No additional information available

#### Air transport

No additional information available

### SECTION 15: Regulatory information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

UNDECETH-5 (34398-01-1)	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm

### SECTION 16: Other information

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

#### Full text of H-phrases:

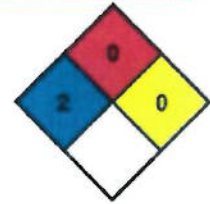
H302	Harmful if swallowed
H318	Causes serious eye damage

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- NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
- NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
- NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Prepared by: Technical Department

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.*