

# MicroFluids Extreme DG

High-performance, plant-based heavy duty industrial degreaser

*"The Last Degreaser You'll Ever Switch To."*



## Why Microfluid Extreme DG

- **Cuts Heavy Grease:** Vegetable-based ester solvent technology dissolves oils, carbon, and industrial soils on contact.
- **Engineered Formula:** Penetrates and lifts stubborn carbon deposits, baked-on grease, and hydraulic oils.
- **Fire Safe:** Flash point > 93°C means safe use near engines, welding, and in confined spaces.
- **No Mixing Required:** Apply full strength for maximum cleaning power – no dilution, no guesswork.
- **Rinses Clean:** Emulsifiable formula rinses away with water – no solvent residue.
- **Regulatory Ready:** 0% VOC compliant with SOR/2021-268 (Canada) and EPA/CARB (USA).

## "Cuts Grease Like Petroleum. Without the Petroleum."

**MicroFluids Extreme DG** is a breakthrough in industrial cleaning – a full-strength, plant-based degreaser that eliminates heavy grease, oils, and carbon deposits without the health hazards, flammability risks, or environmental damage of traditional petroleum solvents. It delivers zero VOC emissions and is readily biodegradable, meeting the most stringent environmental regulations in North America. Proudly made in Canada, Extreme DG proves that uncompromising cleaning power and environmental responsibility can coexist.

## Safer Formula

### 1. Health Risks

Traditional degreasers often use volatile solvents such as MEK, toluene, and naphtha, which may increase worker exposure concerns and safety requirements. Their use often necessitates enhanced PPE, adding cost, operational complexity, and potential productivity limitations in industrial environments..

### 2. Fire Hazard

Low flash point solvents create explosion risks in workshops, confined spaces, and near hot equipment. A single ignition event can cause catastrophic property damage, injuries, and costly production shutdowns

### 3. Environmental Liability

Petroleum solvents are VOC-heavy, contribute to ground-level smog formation, and generate hazardous waste that demands expensive disposal procedures and creates long-term environmental liability.



**"No Carcinogens, Mutagens, or Reproductive Toxicants"**

Justification: Under EPA 40 CFR 51.100(s) and CARB definitions, Vegetable-based Ester Solvent and Diethylene Glycol Monobutyl Ether qualify as LVP-VOC solvents (vapor pressure < 0.1 mmHg at 20°C and boiling point > 216°C). Remaining surfactant component is non-volatile. Effective VOC = 0%.

## Applications

- Heavy equipment degreasing
- Engine and parts cleaning
- Locomotive Engines, and Valves cleaning
- Industrial kitchen exhaust and hood cleaning
- De-greasing of concrete and metal surfaces
- Maintenance cleaning in manufacturing facilities
- Marine engine and bilge cleaning
- Agricultural equipment cleaning

## Typical Properties

Property	Value
Appearance	Clear to slightly hazy liquid
Color	Light yellow to amber
Odor	Mild, characteristic ester
pH (neat)	7.0 – 9.0
Specific Gravity (20°C)	0.87 – 0.91
Flash Point	> 93°C (> 200°F), closed cup
Boiling Point	> 200°C (> 392°F)
Vapor Pressure (20°C)	< 1 mmHg
Evaporation Rate	< 1 (butyl acetate = 1)
Solubility in Water	Emulsifiable / dispersible
VOC Content	0% (LVP-VOC exempt)
Viscosity	Low viscosity (< 50 cP at 25°C)
Flammability	Not classified
Biodegradability	Readily biodegradable

## Pack Sizes

- 20 liters Pails 205 Liters Drums 1000 liters IBC Totes

## MicroFluids Extreme DGNon-Regulated for Transport (TDG)

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