

ECOSPHERE



Super Duty Cleaner/Degreaser

Formulated using MicroEmulsion 3G Technology elements™
Super Duty Degreaser is a non-toxic, non-VOC, biodegradable, microemulsion, highly concentrated cleaner/degreaser that is specially designed to address the environmental, safety and health concerns facing today's housekeeping professional. The formulated blend of ingredients combine to lift and emulsify soils, fats, oils and greases without the use of solvents. Can be used to clean most hard surfaces such as walls, tile & grout, food processing and service areas.



General Purpose Cleaning



Food Processing Areas



Heavy Duty Degreasing



Certified Degreaser CCD-146E

ENVIRONMENTALLY RESPONSIBLE COMPARISON

Traditional Products	ECOSPHERE
Ethylenediaminetetraacetate (EDTA)	None
Nonylphenol ethoxylates	None
2-Butoxyethanol	None
Sodium Phosphates	None
	Sodium Iminodisuccinate
	Linear Alcohol Ethoxylate
	Monoethanolamine
	Sodium Metasilicate
pH 12 – 14	pH 12 – 13

Traditional Compound Descriptions:

Ethylenediaminetetraacetate (EDTA) – offers very good control of hardness ions. However, it will enhance the remobilization of heavy metals in the environment. It may contain trace amount of carcinogen.

Nonylphenol ethoxylates – a non-ionic surfactant that is used to provide wetting and detergency. However, it is derived from a petroleum-based product. It has a suspected harmful biodegradable intermediate.

2-Butoxyethanol – effective water-soluble solvent to attack both water-soluble soils and water-insoluble oils and greases. However, it is a potential nose and eye irritant and may cause blood cell damage if absorbed through skin.

Sodium Phosphates – offer good control of hardness ions and maintain alkalinity levels. They also increase cleaning efficiency by suspending dirt. However, phosphate are plant nutrients Those promote algae blooms.

ECOSPHERE Compound Descriptions:

Sodium Iminodisuccinate – biodegradable environmentally responsible chelating agent that softens water and buffers pH for maximum cleaning efficiency. Awarded by the EPA with the Presidential Green Chemistry Challenge Award.

Linear Alcohol Ethoxylate - listed as Positive Environmental Profile surfactant on EPA design for the Environment Formulator Initiative. A non-ionic surfactant made from linear primary alcohol that biodegrades readily to compounds with low toxicity.

Monoethanolamine - commonly used as a low odor source of alkalinity that aids in breaking up and emulsifying fatty oils.

Sodium Metasilicate – controls water hardness and maintains alkalinity to build cleaning efficiency, increases cleaning efficiency by suspending dirt. Non nutritive to plants, will not cause alga blooms.

PRODUCT SPECIFICATIONS

Dial Setting for 11 oz.	#4 (1:16) Degreasing	Abrasive:	None
Color:	Purple	Biodegradability:	Complete
Odor:	Mild, Pleasant	Solvents:	None
pH:	12.0 - 13.0	Storage/Stability:	2 years
Viscosity:	Water thin	Weight Per Gallon:	8.61 lbs. Per gallon
Foam:	Moderate	Freeze/Thaw Stability:	Keep from freezing
Flash Point:	None		