



Tough On Grease

cleaner / degreaser

Tough On Grease is a non-butyl, water soluble cleaner/degreaser. Incorporating unique bipolar emulsifiers, Tough On Grease safely removes petroleum greases found in industrial applications as well as animal fat based soils prevalent in food manufacturing, processing and preparation.



Providing Quality Maintenance and Chemical Specialty Solutions with Unparalleled Customer Service



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EFFICIENT

Tough On Grease is an aggressive grease emulsifier formulated to remove tough animal fat or petroleum-based soils. Tough on Grease efficiently removes stubborn soils, such as tire and rubber marks, asphalt, tar, oil, carbon exhaust, etc.

VERSATILE

Tough On Grease can be used on a variety of surfaces and with nearly all kinds of equipment.

- Cleans and degreases any surface not harmed by water.
- Low-foaming characteristic permits use with pressure washers, automatic scrubbers, brushes, mops or as a spray and wipe for walls and equipment.

PLEASANT TO USE

Dye free. Non-staining. Contains no perfume. No butyl or caustic "kick-back".

DIRECTIONS FOR USE:

Industrial Cleaning and Degreasing

1. Apply diluted Tough On Grease with a sprayer, sponge, brush or mop, depending on the surface to be cleaned. Also may be used in pressure equipment, steam cleaners and automatic floor machines.
2. Tough On Grease is excellent for cleaning most surfaces not harmed by water. Experiment with Tough On Grease at different dilution levels before establishing a cleaning procedure since a higher dilution might accomplish the task and provide greater economy.
3. Rinse thoroughly with hot or cold water.

Recommended Dilution Ratios for Tough On Grease in One Gallon of Water

Soil Load	Dilution Ratio	Oz./Gal.
Light Duty	1:64	2 oz.
Medium Duty	1:15	8 oz.
Heavy Duty	1:5	25 oz.

Food Manufacturing, Processing and Preparation

1. For general cleaning, degreasing and daily maintenance, dilute Tough On Grease 1:10 (12 oz. per gallon of water).
2. To remove heavy accumulations of vegetable oil, animal fat and grease, dilute Tough On Grease 1:5 (25 oz. per gallon of water). Set deposits may require the use of Tough On Grease at higher concentrations in conjunction with an abrasive pad or brush.
3. Cleaned surfaces should be rinsed thoroughly with potable water.

SPECIFICATION DATA

Total Active Ingredients: 13.8%
Specific Gravity: 1.044 @ 24°C/75°F
Density: 8.69 lbs./gal. @ 24°C/75°F
Viscosity: Non-viscous
pH (Concentrate): 11.7–12.3
Solvents: Dipropylene glycol n-propyl ether
Flash Point (Tag Closed Cup): None
Stability:

- a. Shelf @ 24°C/75°F:
One year minimum
- b. Accelerated @ 49°C/120°F:
30 days minimum
- c. Freeze/Thaw:
3 cycles

Miscibility: Mixes well with hot or cold water.
Rinsability: Rinses freely with hot or cold water.
Biodegradable

Be sure to read all Directions, Precautionary and First Aid Statements on product labels before use of this or any Spartan product. If questions remain, consult your employer or a physician. Material Safety Data Sheets for all Spartan products are available from your authorized Spartan distributor or by visiting www.spartanchemical.com.

PACKAGING

203465	330 Gallon Totes
203455	55 Gallon Drums
203430	30 Gallon Drums
203415	15 Gallon Drums
203405	5 Gallon Pails
203404	1 Gallon (4 per case)



Distributed by:

Label copy is available in both English and Spanish. Secondary labels are also available.

GUARANTEE: Spartan's modern manufacturing and laboratory control insure uniform quality. If dissatisfied with performance of product, any unused portion may be returned for credit within one year of the date of manufacture.

For institutional and industrial use only.

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