

# INDO 515

## Fast Splitting Vehicle Cleaner

A liquid detergent concentrate, designed to easily power off oil and grease from vehicles. Using a unique surfactant system, INDO 515 emulsifies and disperses oily particulate from the vehicle surface. This surfactant system then allows the emulsified soil to rapidly float to the top of the spent solution and "split" from the water phase. This rapid separation of oil and water allows for easier on site treatment or reduced effluent disposal.

INDO 515 was designed with the environment in mind. It contains no phosphates or solvents. The surfactant system is biodegradable. The product works well in cold or hard water and it has a high water hardness tolerance. When used as directed, INDO 515 provides clean, streak-free surfaces after rinsing with water. The captured washings can be allowed to separate, the oil skimmed and the water phase neutralized for proper waste disposal.

Many products require high foam levels to float and disperse oily substances. This foam subsequently prevents phase separation and requires additives to float the oil. INDO 515 foam levels do not inhibit the post cleaning separation action and thus remove the necessity of expensive "splitting" additives.

### Advantages

- **Controlled Foaming** Adequate for vehicle wash but not detrimental to spent solution separation
- **Highly Sequestered** Works well even under extreme water hardness conditions
- **VOC Free** Safer workplace environment • No concern with VOC (Volatile Organic Compound) regulations
- **Phosphate Free** Reduced nutrient impact on the environment. No concern with municipal phosphate discharge regulations
- **Liquid Concentrate** Efficient and easy to use with or without automatic metering
- **Unstable Emulsion** Cleans quickly but separates even more quickly
- **Surface Safe** Safe on most surfaces when used as directed

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## Product Specifications

<b>Appearance:</b>	Straw yellow liquid
<b>Odour:</b>	Characteristic - low odour
<b>Specific Gravity:</b>	1.08
<b>pH Concentrate:</b>	12.9
<b>pH Use Dilution:</b>	12 - 13
<b>Non volatile Content %:</b>	14.2
<b>VOC (EPA Method 24):</b>	0
<b>Phosphorous Content:</b>	0
<b>Foam Level:</b>	20 degrees C / 1:50 dilution with distilled water Initial - 30 mm After 5 minutes - 7 mm
<b>Surface Tension:</b>	35 dynes/sq cm at 5% concentration (DuNouy Tensiometer)
<b>Cleaning Efficiency:</b>	87% (ASTM D4488, A6 - Oil, Carbon Black and Clay/White Enamel Painted Stainless-Steel Panels)
<b>Heat Stability (50°C):</b>	Stable
<b>Cold Stability (5°C):</b>	Stable
<b>Freeze/Thaw (-7°C):</b>	Stable
<b>Caution:</b>	INDO 515 is a concentrated alkaline cleaner. It can cause damage to eyes and skin. Read label and material safety data sheet before use.