



# PRODUCT DATA SHEET

## KICK ZONE BIO-SUDS Cleaner

(READILY BIODEGRADABLE DEGREASER/CLEANER)

### PRODUCT DESCRIPTION

Bio-Suds is an optimized, readily biodegradable, zero VOC, no caustic soda surfactant blend for water-based degreasing. Bio-Suds is efficient for cleaning organic soils, such as grease and oil.

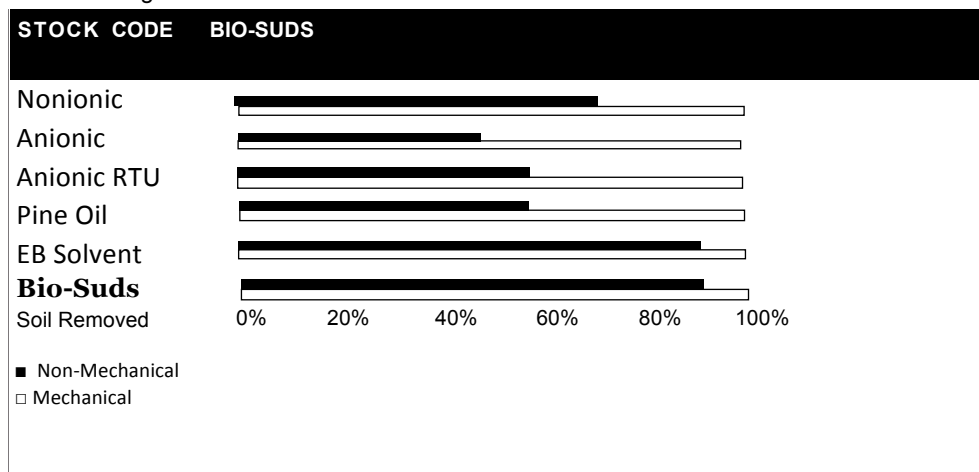
Bio-Suds can often replace a solvent for cleaning. The powerful and versatile cleaning performance of Bio-Suds can be used in a wide range of applications.

### PRODUCT BENEFITS

- Readily Biodegradable
- No caustics and no VOC's
- Is a combination of a nonionic and cationic surfactant. This combination in conjunction with builders provides excellent degreasing.
- Safe for workers with PPE equipment requirements when handling.
- May be used at ambient temperatures to dramatically reduce energy costs.

### APPLICATIONS

- Vehicle & engine cleaning
- Industrial cleaning
- All-purpose cleaning
- Descaling



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Manufactured By



Advanced Research &  
 Development in Lubricants and  
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Blended & Packed in an  
 ISO 12001-2004  
 Registered Facility

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## TECHNICAL DATA

### TEST PROCEDURE RESULTS (TYPICAL)

|                              |       |           |
|------------------------------|-------|-----------|
| Stock Code                   | -     | BIO-SUDS  |
| ISO VG                       | D2422 | N/A       |
| Viscosity 100°C, cSt         | D445  | N/A       |
| Viscosity 40°C, cSt          | D445  | N/A       |
| Viscosity Index              | D2270 | N/A       |
| Specific Gravity (g/ml)      | D1298 | 0.862     |
| Density, (lb./gal)           | D1298 | 7.2       |
| Color                        | D1500 | GREEN     |
| Flash Point, °C (°F) (COC)   | D92   | N/A       |
| Fire Point, °C (°F) (COC)    | D92   | N/A       |
| Pour Point °C (°F)           | D97   | N/A       |
| Four Ball Wear Test, mm scar | -     | N/A       |
| 75°C                         | -     | N/A       |
| Total Acid Number (TAN)      | D665  | N/A       |
| Foam Tendency                | D892  | MEDIUM    |
| SEQ I                        | -     | 0/0       |
| SEQ II                       | -     | 0/0       |
| SEQ III                      | -     | 0/0       |
| pH                           |       |           |
| Concentrate                  | -     | 11.0      |
| 5%                           | -     | 6.0 – 8.0 |
| Odor                         | -     | FRESH     |

## MIXING INSTRUCTIONS

**Bio-Suds** is a concentrated formula. Depending on the soil load, these concentrates can be diluted 1-10, 1-20, and 1-30 with water. The above graph shows that **Bio-Suds** in formulation equals the degreasing performance of EB in either mechanical, or non-mechanical degreasing.

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## HEALTH AND SAFETY INFORMATION

For recommendations on safe handling and use of these products, please refer to the Safety Data Sheet (SDS), which is available upon request through your local distributor.



Severe Service Lubricants