



Flexiwet™ WBD

Overview

- Environmentally Friendly Degreaser: biodegradable, zero VOC, phosphate-free, and low aquatic toxicity. A safe and more efficient alternative to traditional APEO-based degreasers
- High actives content surfactant blend, designed for cost efficient stand alone use (no other surfactants required)
- Often replaces all surfactants and solvents in a formulation system, making it useful in VOC reduction/reformulation programs
- Delivers BOTH low static and dynamic surface tension, which is critical to optimize cleaning/degreasing properties
- Dilutes clear
- Low odor
- Rinses easily and completely
- pH neutral; used in acidic, neutral, and alkaline formulations
- WERCS ID number: WPS1208268
- WERCS Validation number: WPS1208268

Applications

- HI&I: Glass/Furniture/Floor/Oven & Grill Cleaners, Soap Scum Removers
- Descalers
- Vinyl/Aluminum Siding Cleaners
- Transportation/Marine: Wheel and Whitewall Tire Cleaners, Auto Presoaks, Cleaners for Aircraft, RVs, Buses, Boats, Heavy Equipment
- Spot Cleaners: Laundry & Industrial Pre-spotters, Carpet spot removers
- Fine Stone Cleaner/Protector when combined with Theteguard HS-3030, to clean and protect fine stone surfaces.

Technical Information

Flexiwet WBD is a surfactant blend that has been optimized to provide the balance of properties needed to deliver effective degreasing from a water based formulation, while at the same time using environmentally preferred raw materials. The product is zero VOC, phosphate and nonyl/alkyl phenol ethoxylate free, readily biodegradable via OECD 310D/US EPA OPPTS 835.3100, and has very low aquatic toxicity. Its cleaning efficacy is such that it can often replace a solvent.

Flexiwet WBD provides powerful wetting (less than 30 dynes/cm, at a dilution of 0.125%) and rapid emulsification/detergency (at same dilution, 35 dynes/cm is reached in only 10 milliseconds). This combination makes it an effective degreaser even in non-mechanical applications.

Flexiwet WBD is designed to be versatile. It combines well with builders and chelating agents, and functions over a broad pH range. It is entirely water soluble, but it also goes into most alcohol and glycol systems.

FORMULARY

A ready to use hard surface cleaning product that also restores/maintains the protective coating found in our hard surface protectors can be prepared as follows:

1. Charge with 94 Wt.% DI water.
2. While mixing, add 2.0 Wt.% of Flexiwet WBD.
3. With continued mixing, add 1.5 Wt.% IPA.
4. With continued mixing, add 1.0 Wt.% sodium meta silicate.
5. With continued mixing, add 1.5 Wt.% Theteguard HS-3030.

The resulting mixture will be a clear, water white solution which is ready to use.

Typical Properties

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|------------------|---------------------------|
| Appearance | Clear, Pale Yellow Liquid |
| Density @ 25°C | 1.00 +/- 0.05 g/ml |
| pH | 6.0 - 9.0 |
| Water Solubility | Soluble |
| Flash Point | >200°F (93°C) |
| Cloud Point | >176°F (80°C) |
| Odor | Mild |

Packaging and Handling

Flexiwet WBD is available in 275 gallon totes (Net Wt. 2250 lbs), 55 gallon drums (Net Wt. 450 lbs) and 5 gallon pails (Net Wt. 40 lbs).

Refer to the Safety Data Sheet (SDS) for information on the safe use, handling, and storage of this product. DOT Classification is Non Regulated.

This information relates only to the specific material referred to herein and not to its use in combination with any other material or in any process, unless explicitly stated herein. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date compiled; however, no warranty, guarantee or other representation is made as to its accuracy, reliability, or completeness, or regarding any liabilities arising from others' intellectual property rights. 20200219