



Flexiwet™ WBD

Overview

- Environmentally Friendly Degreaser: Biodegradable, Zero VOC, Phosphate-Free, and Low Aquatic Toxicity. A Safe and Greatly 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, is Low Odor, and Rinses Easily and Completely
- pH Neutral; Useful in Acidic, Neutral, and Alkaline Formulations

Applications

- HI&I: Glass/Furniture/Floor/Oven & Grill Cleaners, Soap Scum Removers And 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 Spotters
- Fine Stone Cleaner/Protectors when Combined with Flexipel™ PAF-30 that will Clean and Protect Granite, Marble and other Fine Stones

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 doing so with environmentally preferred raw materials. It 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. Yet its cleaning efficacy is such that it can often replace a solvent.

Flexiwet WBD provides powerful wetting (at a dilution of 0.125%, less than 30 dynes/cm) 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.

Finally, 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 also goes into most alcohol and glycol systems. All the components are listed on most of the major global inventories, including those of the US, Canada (DSL), Europe (EINECS), Australia, Korea, Japan, and China.

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. Pre-dissolve 15.0 parts of Flexipel PAF-30 into 15.0 parts of warm (approx. 50° C) isopropanol.
2. Add 20.0 parts of Flexiwet WBD and 10.0 parts Sodium Metasilicate into 940 parts of deionized water.
3. While still warm, add the Flexipel PAF-30/Isopropanol mixture to the aqueous solution. A clear, water white solution results, which is ready to use.

Typical Properties

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
Cloud Point	>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).

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.