Spotless™ EFS

Heavy Duty Alkaline Etch-Free Soak Powder

Spotless™ EFS removes heavy dried-on or impacted oil from sensitive metals. Exposes metal surface without etching, darkening or attacking aluminum, brass, copper, steel, or zinc die cast. Spotless™ EFS conditions smut, scale and oxides for improved electro cleaning and pickling to ensure optimal conditions for subsequent surface finishing. Recommended for removing: Buffing Compounds, Mineral Oils, Drawing Compounds, Water Soluble Oils and Chlorinated/ Sulphurized Parrafin.

Features/Benefits

- Low Alkalinity: Caustic free blend does not etch or stain substrate.
- Eco-Friendly: Biodegradable surfactant system and low temperature operation.
- Economical: Long solution life and is not regulated for transportation.
- Non- Chelated cleaner that is effective in hard water applications.
- Highly wetted allowing oils to freely rinse off and prevents excessive drag out.

Operating Conditions

	Soak Application
Concentration	30 - 60 g/L
Temperatre	50 - 80°C
Time	2 - 10 min

Make-Up: Pour dust free powder in warm water, and mix until dissolved

Equipment: Mild Steel Tank and equipment.

Spotless™ EFS Analysis

1. Pipette a 10 mL sample of solution into a 250 ml Erlenmeyer flask.
2. Add 4 - 6 drops of methyl orange indicator.
3. Titrate with 1.0N Hydrochloric Acid to pink end point.

Calculation: ml of 1.0N Hydrochloric Acid x 9.96 = g/L Spotless™ EFS

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READ THE SDS BEFORE USING THIS PRODUCT