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EcwaSurf 226

TECHNICAL DATA SHEET

DESCRIPTION

EcwaSurf 226 is an Environmentally Safe (APEO and Nonylphenol Free), Optimised Surfactant Blend, designed for use in Heavy Duty Water Based Alkaline, Neutral and Acid Degreasing Cleaners.

FORMULATION/COMPOSITION

EcwaSurf 226 is a blend of both Straight chain and Branched chain fatty alcohol Ethoxylates, Hydro topes and Corrosion Inhibitors.

2. Composition:

- a. % Straight Chain Fatty Alcohol Ethoxylates | Proprietary
- b. % Branched Chain Fatty Alcohol Ethoxylates | Proprietary
- c. % Corrosion Inhibitor | Proprietary

PROPERTIES/APPLICATIONS/USE

EcwaSurf 226 is designed as an Environmentally Safe , Optimised Surfactant Blend for use as the Only Surfactant in Food Contact, General & Technical Cleaning and Degreasing Water-based Formulations, together with Chelating Agents and/or Builders in order to cover the more specialised requirements for: Dispersancy; Emulsification; Wetting; General Detergency; Foam Stability and Rinseability.

EcwaSurf 226 is Suitable/Compatible for use in the following Product Classes:

HI & I Cleaners/ Degreasers / Hard Surface Cleaners / Auto Care Products / Metal Cleaners.

EcwaSurf 226 is Soluble in Water.

EcwaSurf 226 is Soluble in most Polar Solvents.

EcwaSurf 226 is Chemically stable in the presence of Dilute Acids, Bases and Salts.

EcwaSurf 226 is Compatible with Soaps, Anionic, Nonionic & Cationic Surfactants & most Polar Organic Solvents.

EcwaSurf 226 needs to be included at between 0.1% for ready-to-use type Spray-On Products up to 5-10% in Concentrated Products being diluted 50-100 times before use.

EcwaSurf 226 can be used as an Oil in Water Emulsifier.

PHYSICAL & CHEMICAL PROPERTIES

Physical state	Viscous Liquid	Cloud Point	Clear bet 7°C - 70°C
Appearance	Slightly Amber/ Clear	Flash Point (Closed Cup, ASTM 93)	>100°C
Odour	Typical Surfactant	Colour (APHA)	MAX 5
Relative Density	1.03 - 1.05 g/cm ³ @ 20°C	Character	Nonionic
Solubility	Soluble in Water	% Active Content	100% Active
pH (20°C- 5% Aq.Sol)	0.10 - 0.40		

This data does not constitute a specification - please see current "Certificate of Analysis".

MANUFACTURER/SUPPLIER

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SAFETY & HANDLING

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FORMULATION HINTS

HEAVY DUTY CLEANERS	1	2
Water	80.00%	77.00%
Potassium Hydroxide		7.00%
Sodium Metasilicate (Penta)	7.00%	
STPP	3.00%	3.00%
Sodium Gluconate		3.00%
EcwaSURF-226 (5-10% use)	10.00%	10.00%

PHOSPHATE FREE CLEANERS	1	2
Water	80.00%	81.00%
Sodium Metasilicate (Penta)	7.00%	3.00%
Sodium Gluconate	3.00%	
Trisodium Citrate		6.00%
EcwaSURF-226 (5-10% use)	10.00%	10.00%

ACID CLEANERS	1
Water	75.00 - 80.00%
Acid (Citric/ Hydrochloric/ Phosphoric/ Sulphuric/ Hydroflouric etc.)	7.00%
EcwaSURF-226 (5-10% use)	5.00 - 10.00%

SPECIAL NOTES/ CAUTIONS

1. The aforementioned Formulations are Starting Point Formulations and should be Tested for Usage Level/Specific Application etc.

2. The aforementioned Formulations are Concentrates and may be Diluted up to 200 times with Water, depending on the Finished Product Performance required.

3. **EcwaSurf 226** is designed to replace all other Surfactants and Solvents in Aqueous Systems, providing the necessary Soil Removal Ability/ Improved Dilatability/ Minimised Stockholding and Lower Formulation Cost Required.

4. Blending Instructions

1. Add Water
2. Dissolve Salts
3. Add **EcwaSurf 226**
4. Mix thoroughly.

DISCLAIMER / NON-WARRANTY

This product has been subjected to limited tests and has been shown to perform well. The information contained herein is to our best knowledge true and accurate, but since the conditions of use are beyond our control, Ecwamix Chemical Systems cc. disclaims any liability in connection with the use of this product and/or information. Warranty extends only as far as to the replacement of material shipped if not compliant with the specification as set out in the attached "Certificate of Analysis" and within the expiry period of the said product. All recommendations or suggestions are made without guarantee. It is good practice to conduct one's own application tests on a small area prior to using the product.



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STORAGE

This product should be stored in its original packaging (tightly sealed), indoors in ambient conditions, between 10°C - 38°C. Under these storage conditions, this product will be stable for up to 2 years. Thereafter test parameters should be confirmed before use.

PACKAGING

EcwaSurf 226 is available in

- 25 Kg - HDPE BLOWPACK
- 200 Kg - HDPE BLOWPACK
- 1000 Kg - IBC (FLOBIN)

SPECIAL NOTES/CAUTIONS

Although **EcwaSurf 226** is recommended as the ONLY SURFACTANT used in formulations, due to the Proprietary nature of Specific/Special Formulations, this product should always be Tested for Usage Level/Suitability for use within a formula before Batching-Up.

Due to **EcwaSurf 226** being a blend, stir or agitate mildly after prolonged storage periods or inactivity and after having been exposed to extreme temperature fluctuations.

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