



TECHNICAL DATA SHEET

YOUR CHEMICAL SOLUTIONS PROVIDER



DESCRIPTION

EnviroSURF-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

1. **EnviroSURF-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

EnviroSURF-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.

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

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

EnviroSURF-226 is Soluble in Water

EnviroSURF-226 is Soluble in most Polar Solvents

EnviroSURF-226 is Chemically stable in the presence of Dilute Acids, Bases and Salts

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

EnviroSURF-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.

EnviroSURF-226 can be used as an Oil in Water Emulsifier.



SAFETY & HANDLING Always consult the Material Safety Data Sheet before use

PHYSICAL & CHEMICAL PROPERTIES

Physical state	Viscous Liquid	Cloud Point	Clear bet 7°C-70°C
Appearance	Dark brown liquid	Flash Point [Closed Cup,ASTM 93]	>100°C
Odour	Typical Surfactant	Colour (APHA)	MAX 5
Specific Gravity (Density)	1.00-1.05g/cm ³ @ 20°C	Character	Non-ionic
Solubility	Soluble in Water	% Active Content	100% Active
pH - (20°C- 1% Aq.Sol)	0.10 - 0.40	This data does not constitute a specification - please see current "Certificate of Analysis".	

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, EnroChem Trading DMCC, 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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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%
EnviroSURF-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%
EnviroSURF-226 (5-10% use)	10.00%	10.00%

ACID CLEANERS	1
Water	75.00 - 80.00%
Acid (Citric/ Hydrochloric/ Phosphoric/ Sulphuric/ Hydrofluoric etc.)	7.00%
EnviroSURF-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. **EnviroSURF-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 **EnviroSURF-226**
4. Mix thoroughly.

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STORAGE/SHELF LIFE

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

EnviroSURF-226 is available in

25 Kg - HDPE BLOWPACK

200 Kg - HDPE BLOWPACK

1000 Kg - IBC (FLOBIN)



SAFETY & HANDLING Always consult the Material Safety Data Sheet before use



SPECIAL NOTES/CAUTIONS

Although **EnviroSURF-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 **EnviroSURF-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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