

### Product Name

## MERPOL<sup>®</sup> SE

### Chemical Description

Nonionic Surfactant

### Applications

MERPOL SE is an effective nonionic wetting agent and emulsifier with low foaming properties. Utilized best when detergency is not required. Use levels of 0.01-0.1% are adequate for most applications. Use of >0.1% MERPOL SE (in water) may cause surfactant separation due to limited solubility.

- Wetting agent for textiles
- Wetting agent for asbestos
- Wetting agent for paper processing (repulping, tissue and toweling rewetting)
- Washing paper machine felts

### Functional Properties

- Surface Tension reduction (<30 dynes/cm at 0.005% concentration at 25 °C)

### Typical Properties

Appearance.....	Colorless to Pale Yellow Liquid
Density, g/ml (lbs/U.S. gal) at 25 °C.....	0.97 (8.1)
Actives, % .....	95
Viscosity at 25 °C, cps .....	60
Flash Point (PMCC), °C (°F) .....	>93 (>199)
pH, 10% aqueous at 25 °C.....	7
Critical Micelle Concentration, %.....	0.006
Calculated HLB .....	10.5
Cloud Point, 1%, °C (°F) .....	59 (138)
Draves Wetting, % product required for 25 seconds	
at 25°C (77°F).....	0.03
at 71°C (160°F) .....	0.02
Ross-Miles Foam Height, mm, 0.1% aqueous, at 40 °C	
Soft Water Initial.....	40
Soft Water 10 min. ....	20
Hard Water Initial .....	35
Hard Water 10 min.....	15
Surface Tension, dynes/cm	
0.01% aqueous.....	28
0.10% aqueous .....	27
1.0% aqueous .....	27
Solubility at 25 °C:	
Polar Solvents .....	Soluble
Non-Polar Solvents .....	Insoluble
Water .....	Soluble to 0.1%
Stability at 25 °C :	
Acids .....	Stable
Bases .....	Stable
Freezing.....	Stable



## Storage & Handling

MERPOL SE should be stored in a cool, dry place in closed containers. Normal safety precautions (i.e. gloves and safety goggles) should be employed when handling MERPOL SE. Contact with the eyes and prolonged contact with the skin should be avoided.

Standard Packaging: MERPOL SE is available in bulk and 55 gallon drums (net weight 375 lbs).

## Clearances

All components of MERPOL SE are listed in the following countries: United States (TSCA), Europe (EINECS – polymer exempt), Canada (DSL), Australia (AICS), Korea (ECL), Philippines (PICCS), China (EICS) and Japan (ENCS). Composition is a trade secret.

**It is the responsibility of the formulator to review the chemical control regulations for each country where the end product is intended to be sold or used.**

## Product Stewardship

This product bulletin has been written in accordance with ACC's Product Stewardship guidelines.

## Additional Safety Information

A Safety Data Sheet is available upon request.



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