



CROP SOLUTIONS

# **SURFOM<sup>®</sup> SC 8895**

## **DISPERSANT PACKAGE**





CROP SOLUTIONS

DISPERSANT  
PACKAGE

## SUSPENSION CONCENTRATE

In agricultural  
applications

**Suspension Concentrates accounts for 27% of all Crop Protection Market value and 15% of the volume applied, which illustrates a high relative price of this products compared to other formulations types. In the past 10y, the value has increase more than 10% in terms of value.**

It's common to have high loads of Active Ingredient in this kind of formulation, which is not soluble in water. The right package of Dispersant and Wetting Agent play an important role to estabilize the formulation

**Oxiteno has a broad portfolio of surfactants for liquid formulations. SURFOM SC 8895 is a good Dispersant Package suitable for high load formulations, that supports our customers to explore the full potential of SC formulations in agrochemical applications.**



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DISPERSANT  
PACKAGE

# SURFOM<sup>®</sup> SC 8895

DISPERSANT PACKAGE FOR SC  
FORMULATIONS



**Convenience** – Package of Dispersant with  
Good Handling and Low Viscosity



**Efficiency** – Usage in lower dosages (2 to 3  
times) when compared to other packages for  
SCs with good stability results





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# SURFOM<sup>®</sup> SC 8895

APPLICATIONS

## DISPERSANT PACKAGE FOR SUSPENSION CONCENTRATE

- SC formulations usually have higher loads of Als, which difficults the formulation estability. The selection of the right package of Dispersant for the formulations enables good stability and performance with lower dosages of surfactant. SURFOM SC 8895 is the right blend with good Dispersive properties within lower dosages when compared to other combination of surfactants. It has presented good results of stability for herbicides and fungicides

# SURFOM® SC 8895

DISPERSANT PACKAGE FOR SC FORMULATIONS



CROP SOLUTIONS

DISPERSANT  
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## ATRAZINE 500 SC

#1 SUGGESTIVE  
FORMULATION

Concentration  
% w/w

Active ingredient (Herbicide) 47.32

Ethylene Glycol (Antifreeze) 2.5

**SURFOM® SC 8895**  
**(Dispersant Package)** 2.5

Antifoam 0.2

Xanthan Gum Slt. 2% (Rheological  
Modifier) 8.5

Water 37.28

	Initial Condition	Stability Test 14d
Appearance	Viscous White Liquid	Milky White
pH	6.65	6.37
pH 1% in water	6.25	6.46
Wet Sieve 200mesh (%)	99.99	100.11
Suspensibility	100.0	97.69
Viscosity at 25°C (cP) and 80 RPM	385.03	345.3
Density at 20°C (g/cm³)	1.0359	1.0964
Solid Content (%)	51.46	53.655
Particle Size Distribution D50 / D90	2.47 / 6.9	2.32 / 6.42

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**Good stability after 14 days with no significant increase in particle size**

No phase separation nor Settling in 0°C, 25°C and 54°C



**Lower dosage when compared to benchmarks (2 to 3 times lower)**



**Easy to Handle Dispersant Package**

# SURFOM® SC 8895

DISPERSANT PACKAGE FOR SC FORMULATIONS



CROP SOLUTIONS

DISPERSANT  
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## AZOXYSTROBIN 200 + CYPROCONAZOLE 80 SC

#2 SUGGESTIVE  
FORMULATION

Concentration  
% w/w

Azoxystrobin (Fungicide)	18.70
Cyproconazole (Fungicide)	7.50
Ethylene Glycol (Antifreeze)	5.0
<b>SURFOM® SC 8895 (Dispersant Package)</b>	<b>5.0</b>
Antifoam	0.20
Preservative	0.20
Xanthan Gum Slt. 2% (Rheological Modifier)	8.50
Water	37.28

### SURFOM SC 8895

### BENCHMARK

Appearance	Viscous White Liquid	Viscous Brown Liquid
pH	7.41	4.63
pH 1% in water	7.884	4.65
Wet Sieve 200mesh (%)	100	99.83
Suspensibility	100	100
Viscosity at 20°C (cP)	292	258
Density at 20°C (g/cm³)	1.0235	1.100
Solid Content (%)	46.89	47.12
Particle Size Distribution D50 / D90	1.48 / 3.8	1.83 / 25.1

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Stability Test  
14d – 0°C

Stability Test  
14d – 25°C

Stability Test  
14d – 54°C

SURFOM SC 8895

BENCHMARK

### Particle Size Distribution D50 / D90

1.91 / 4.31	1.30 / 3.29
1.3 / 2.59	1.34 / 3.71
1.37 / 3.33	3.78 / 108



# SURFOM® SC 8895

DISPERSANT PACKAGE FOR SC FORMULATIONS



CROP SOLUTIONS

DISPERSANT  
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## AZOXYSTROBIN 200 + CYPROCONAZOLE 80 SC

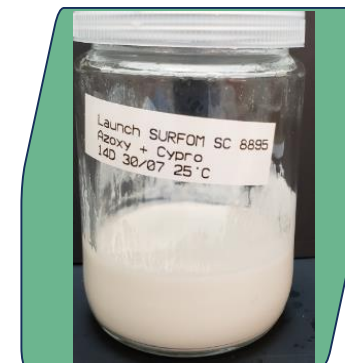
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Stability Test  
14d – 25°C

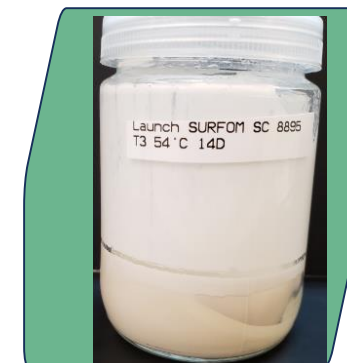
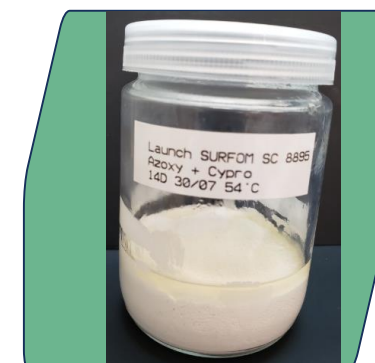
SURFOM SC 8895



BENCHMARK



Stability Test  
14d – 25°C



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25°C and 54°C



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**Easy to Handle Dispersant Package**

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## TECHNICAL PROPERTIES

- Appearance (25°C) : Ambar clear liquid
- Solubility in water (10%) – soluble
- Density (25°C) : 1.074 g/cm<sup>3</sup>
- Viscosity (25°C) : approx. 300 cP
- Flash Point > 100 °C
- Pour Point: < - 20°C

When developing Suspension Concentrate formulations it's important to choose the right package of surfactants to compatibilize with the high load of AI, in order to maintain the stability, rheology modifiers plays an important role in this formulation. **SURFOM® SC 8895** is a complete package of surfactant with good dispersant properties, delivering good stability / performance for different suggestive formulations within low dosages and good handling.

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## TECHNICAL PROPERTIES

### Quality Requirement

pH, 5wt% aqueous solution, 25°C

Appearance, 25°C

Dry Matter (105 +/- 5°C 1h) %

### Commercial Specification Min Max

3.5 5.5

viscous liquid

70 80

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