



Flexisurf™ 66H

Anionic Hydrotrope

Overview

- Anionic surfactant
- Surface Tension for 1% at 25°C:
44.5 dyne/cm (at pH 7)
44.1 dyne/cm (at pH 12)
- Chemically stable in acidic and alkaline solutions as well as with anionic & nonionic surfactants
- Provides high cloud point

Technical Information

Flexisurf 66H is a foamable hydrotrope and surfactant solubilizer for low & medium built detergents.

This product is soluble in water, alcohols, & glycols. It is insoluble in aromatic, chlorinated, and aliphatic hydrocarbons, as well as oils & solvents.

Formulary

Starting point recommendation of 1-2% (as-sold) in formulation.

Typical Properties*

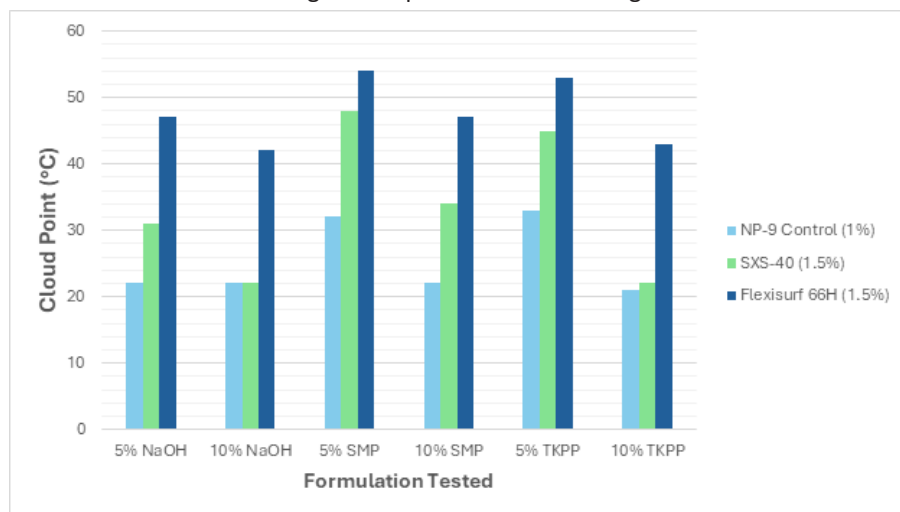
PROPERTY	VALUE
Appearance	Clear liquid, Colorless to lt. yellow
Gardner Color	Maximum of 4
pH (5% in water)	8 to 9
Water solubility	Soluble
Ionic Character	Anionic
Viscosity @25°C	< 200 cps
Density @25°C	1.20 to 1.25 g/ml
Boiling Point	Approx. 100°C
Flash point	Non-combustible
Storage	Store at <50°C (122°F)
Shelf life	12 months

* Typical Properties do not represent specifications.

Ross Miles Foam Test Data:

Time (seconds)	Modified Ross Miles Data (mL)					
	1% in Water		2% in 5% NaOH		1% in 5% Phosphoric Acid	
	SXS-40	Flexisurf 66H	SXS-40	Flexisurf 66H	SXS-40	Flexisurf 66H
0	5	163	6	330	3	11
30	0	24	0	254	0	0
60	0	15	0	207	0	0
120	0	11	0	71	0	0
180	0	9	0	31	0	0
300	0	8	0	14	0	0
600	0	8	0	11	0	0

Flexisurf 66H maintains high cloud point in alkaline & high salt conditions.



Applications

- Surfactant solubilizer for detergents
- Foaming hydrotrope
- HI&I applications

Packaging and Handling

Flexisurf 66H is available in:
275 gallon totes
55 gallon plastic drums

Refer to the Safety Data Sheet (SDS) for information on the safe use, handling, and disposal of this product.

DOT Classification: Non-Regulated

Whether you are looking for a replacement product or an ingredient for a specific attribute, give us a call. We can provide assistance based upon your particular formulation requirements and composition. Please feel free to contact us.

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