

Fluorine Containing Surfactant (OBS)

Chemical Name: Sodium p-Perfluorous Nonenoxybenzenesulfonate

Molecular: C₉F₁₇OC₆H₄SO₃Na

Molecular weight: 626

Physical Properties:

Appearance: white or yellowish solid powder

Type: Anionic surfactant

The property of acid and alkali of water solution 1.0%: neutral

Melting Point: 250~260°C

Decomposition Temperature: 295~300°C

Critical micelle concentration: 0.07%

Critical surface tension: 19.5 dyne/cm

Stability:

- | | |
|---|---------------------------|
| > H ₂ SO ₄ (50%) @ 80°C | PASS |
| > NaOH (30%) @ 80°C | PASS |
| > HCl (37%) @ 80°C | PASS |
| > HNO ₃ (25%) @ 80°C | PASS |
| > Organic solvent | Keep the surface activity |

Surface Tension of water solution @ 25°C

- | | |
|----------------------------|--------------|
| > 0.1% of OBS in solution | 22.5 dyne/cm |
| > 0.01% of OBS in solution | 30.5 dyne/cm |

Characteristics:

High value for money, high surface activity, excellent resistance to chemicals, water and oil repellent properties.

Specification:

Properties	Limits	
	F901 (Commercial Grade)	F902 (Industrial Grade)
Appearance	White Powder	White or Yellowish Powder
Assay, %	≥98	≥94
Ethanol Insoluble, %	≤0.5	≤5
Moisture, %	≤0.5	≤2
pH Value	7-8	7-8

Uses:

1. Additive for high-efficiency protein foam fire-extinguishing agent.
2. Drainage aid for crude oil extraction
3. Steel plate cleaning
4. Anti static electric agent for photo sensitive film production
5. to improve the leveling property and lubrication of printing inks
6. Other applications for paper making, electrical plating and coating & impregnating