



Technical Data Sheet

TERGITOL™ ECO-30 HP Surfactant

Product Information

Chemical Description

Castor Oil Ethoxylate
Surfactant Type: Nonionic

Benefits

- High Purity surfactant: Low salt concentration
- Superior emulsification
- Readily biodegradable
- Low aquatic toxicity

Applications

- Agrochemicals
- Oil, Gas & Mining
- Textile & Leather processing
- Pulp & Paper
- Inks, Coatings & Adhesives
- Lubricants & Metalworking

Typical Properties¹

| Property | Typical values |
|-----------------------------------|-----------------------------|
| Salt concentration | Sodium + Potassium < 55 ppm |
| Cloud Point ⁽¹⁾ | >100 |
| HLB ⁽²⁾ | 12 |
| Moles EO | 30 |
| Saponification value, mg KOH/g | 73 - 78 |
| Pour Point | 3°C |
| Form ⁽³⁾ | Liquid |
| pH, 5% aq solution | 5.5 |
| Viscosity at 20°C, cP | 880 |
| Flash point, Closed-Cup, ASTM D93 | > 268°C |
| CMC ⁽⁴⁾ | 53 |
| Surface Tension ⁽⁵⁾ | 41 |
| Foam Height ⁽⁶⁾ | 68/60 |

1. These properties are typical but do not constitute specifications

(1) Cloud point: °C, 1% Aqueous, (2) HLB Range: 10 o/w emulsifier, >10 w/o emulsifier (3) Form at 25°C, (4) Critical Micelle Concentration: ppm at 25°C, (5) Surface tension: dynes/cm at 1% actives, 25°C, (6) Ross-Miles foam height: mm at 0.1 wt% actives, 25°C, initial / 5 minute

Solubility and Compatibility

- Soluble in water
- Soluble in most polar & non-polar solvents & oils
- Compatible with soaps, anionic & cationic surfactants, and many organic solvents.

Contact:

www.dow.com/contact

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