



Texan Minerals and Chemicals

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TEXAN NI SURF 6 Surfactant

Technical Data Sheet

Description

TEXAN NI SURF 6 Surfactant is a readily biodegradable primary alcohol ethoxylate used as a nonionic surfactant, wetting agent and dispersant. The product is based on a synthetic C9-11 alcohol with an average of 6 moles of ethylene oxide.
CAS RN: 68439-46-3

Benefits

- Readily biodegradable
- Cost effective performance
- Replacement for APEs

Markets Used

- Home Care
- Industrial and Institutional cleaning
- Oilfield
- Agriculture
- Textiles
- Coatings

Applications

- Detergents & Cleaners
- Fracturing fluid additive
- Emulsion Polymerization
- Agriculture adjuvants

Typical Physical Properties

Actives, wt%	100
Cloud point, °C ⁽¹⁾	53
HLB ⁽²⁾	13
Pour point, °C	0
pH, 1% aq solution	6.5
Viscosity at 25°C (77°F), cP	36
Viscosity at 50°C (122°F), cP	15
Specific gravity at 22°C	0.9884

⁽¹⁾ Cloud point: 1 wt% actives aqueous solution

⁽²⁾ Hydrophilic Lipophilic Balance Range: <10 w/o emulsifier, > 10 o/w emulsifier, 10-15 good wetting, 12-15 detergents

These are typical properties, not to be construed as specifications.

Typical Performance Properties

CMC, ppm ⁽³⁾	238
Surface Tension, dynes/cm ⁽⁴⁾	28
Foam Height, mm ⁽⁵⁾	140/133

⁽³⁾ Critical Micelle Concentration: at 25°C

⁽⁴⁾ Surface tension: at 1% actives, 25°C

⁽⁵⁾ Ross-Miles foam height: at 0.1 wt% actives, 25°C, initial / 5 minute

These are typical properties, not to be construed as specifications.

Solubility and Compatibility

- Soluble in water
- Chemically stable in the presence of dilute acids, bases and salts
- Compatible with anionic, cationic and other nonionic surfactants