

## C10 Alcohol Ethoxylate + 5EO

### Description

Lansurf AE105 is a nonionic surfactant produced by the reaction of 5 moles of ethylene oxide onto a 2-propyl heptanol base. This particular range of ethylene oxide offers a product with a wide range of applications especially for detergency and wetting. This product has good environmental profiling and is readily biodegradable.

### Features

- Great detergency
- Good wetting
- Readily biodegradable
- A good substitute for C9-11 ethoxylates (3 - 5 moles)

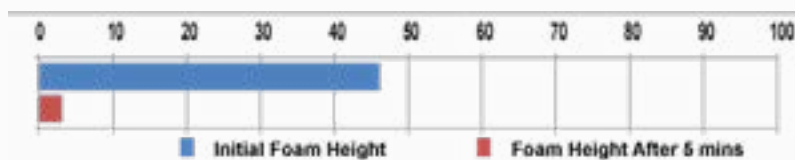
### Specification

Appearance at 25°C	Clear colourless liquid free from foreign matter
Cloud Point °C (5g in 25g (25% BDG Solution))	54.0 - 57.0
pH (5% aqueous)	5.0 - 8.0
Colour Hazen	100 Max
Water Content %	4 - 6

### Typical Properties

Composition	Alcohol ethoxylate
CAS Number	160875-66-1
Moles of EO	5
Odour	Characteristic
HLB Value	11.5
Viscosity at 25°C (cP)	167
Specific Gravity at 20°C	0.98
Solubility in Water	Sparingly soluble - opaque solution in water
Pour Point °C	6
Flash Point Open Cup °C	>120
Surface Tension at 0.1% Aqueous (mN/m)	27

Foam Height Scale



## Applications

---

Lansurf AE105 is a biodegradable nonionic surfactant produced by the reaction of ethylene oxide on a synthetic primary alcohol.

This product is compatible with soaps, anionic, cationic and other nonionic surfactants, and exhibits good Oil/Water emulsification, wetting and detergency. This product is typically used for the emulsification of mineral oils and waxes and hydrocarbon solvents; emulsion polymerisation; emulsifier for agrochemical formulations.

## Packaging and Storage

---

Lansurf AE105 can be supplied in bulk road tankers, IBC's, 200kg or 25kg nett drums.

Stainless steel, polyethylene or glass lined equipment is necessary for the storage of Lansurf AE105 in order to prevent corrosion and subsequent contamination. This material can separate on standing and at low temperatures. May require agitation and warming prior to use.

## Regulatory Information

---

Please refer to Safety Data Sheet.

---

All information, recommendations and suggestions appearing in the literature concerning the use of the product are based upon tests and data believed to be reliable. However it is the users responsibility to determine the suitability for their own use of the products described here. For non English datasheets translation has been carried out using translation software, Lankem accepts no liability due to errors that occur during translation. Typical properties are based on our own measurements and do not constitute part of the sales specification.