



PETRONAS

PRODUCT DATA SHEET

Ethonas FAE-9

Produced using technology licensed by The Dow Chemical Company.

CHEMICAL DESCRIPTION:

Name : Alkyl alcohol (C12-C14) Ethoxylate
CAS number : 68439-50-9
Type : Nonionic surfactant

Ethonas FAE-9 are based on primary linear alkyl alcohol (C12-C14) with 9 moles of ethylene oxide adducts.

APPLICATIONS:

- Homecare and I&I cleaner
- Emulsifying agent
- Chemical intermediates
- Textile auxiliaries
- Metal working fluid

TYPICAL PROPERTIES:

Physical Property*	Units	Typical Value
Physical appearance (25°C)	-	Hazy liquid
Average moles of EO	-	9
Hydroxyl number	mg/g	95-100
pH (1% in 10/16 IPA/water)	-	6.0-7.5
Water	wt%, max	0.1
Colour	PtCo, max	50
Cloud point, 1% aq	°C	77-82
Critical Micelle Concentration, 1% aq	°C	25
HLB (nominal)	-	13
Pour point	°C	12
Surface Tension 0.1% @ 25°C	mN/m	29
Free EO	ppm, max	1.0
1,4-Dioxane	ppm, max	10.0
PEG content	ppm, max	1.0

*These properties are typical but do not constitute specifications.

FOR MORE INFORMATION

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(DERIVATIVES PLANT)

MS ISO 14001 CERT. NO. 00081001

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