



PETRONAS

# PRODUCT DATA SHEET

## Ethonas NP-4

Produced using technology licensed by The Dow Chemical Company.

### CHEMICAL DESCRIPTION:

Name : Nonylphenol Ethoxylate  
CAS number : 127087-87-0  
Type : Nonionic surfactant

Ethonas NP-4 are based on branched nonylphenol with 4 moles of ethylene oxide adducts.

### APPLICATIONS:

- Industrial & institutional cleaner
- Emulsifying agent
- Paint & coating
- Textile auxiliaries
- Metal working fluid

### TYPICAL PROPERTIES:

Physical Property*	Units	Typical Value
Physical appearance (25°C)	-	Colourless liquid
Average moles of EO	-	4
Molecular weight	g/mol	380-420
pH (1% in 10/16 IPA/water)	-	5.0-8.0
Water	wt%, max	0.5
Colour	PtCo, max	100
Cloud point (1% aq)	°C	N/A (Insoluble in water)
Critical Micelle Concentration (1% aq)	°C	N/A (Insoluble in water)
HLB (nominal)	-	8.9
Pour point	°C	-28
Surface Tension (0.1 aq @25°C)	mN/m	N/A (Insoluble in water)

\*These properties are typical but do not constitute specifications.

### FOR MORE INFORMATION

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MS ISO 9001:2000 REG. NO. AR4.088  
(DERIVATIVES PLANT)

MS ISO 14001 CERT. NO. 00081001



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