



PETRONAS

# PRODUCT DATA SHEET

## Ethonas NP-9

Produced using technology licensed by The Dow Chemical Company.

### CHEMICAL DESCRIPTION:

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

Ethonas NP-9 are based on branched nonylphenol with 9 moles of ethylene oxide adducts.

### APPLICATIONS:

- Industrial and 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	-	9
Molecular weight	g/mol	616
pH (1% in 10/16 IPA/water)	-	5.0-8.0
Water	wt%, max	0.3
Colour	PtCo, max	70
Cloud point, 1% aq	°C	52-56
Critical Micelle Concentration, 1% aq	ppm	60
HLB (nominal)	-	12.0
Pour point	°C	-1
Surface tension (0.1% @ 25°C)	mN/m	32

\*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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