



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

### TYPICAL PROPERTIES:

| Physical Property*                     | Units     | Typical Value             |
|--|-----------|---------------------------|
| Physical appearance (25°C)             | -         | Clear to yellowish 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)                          | -         | 12.9                      |
| Pour point                             | °C        | -1                        |
| Surface Tension @ 25°C                 | mN/m      | 32                        |

\*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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