



Spectrum Cutting Solutions Pvt Ltd

Product Data Sheet

“SCOL N- 8218”

Product Description:

“SCOL N-8218” is a water-soluble cutting oil Emulsifier package, which base on surfactant, sulphonate Amide, Ester base chemistry.

“SCOL N-8218” have inbuilt Biocide which take care of bacterial growth.

“SCOL N-8218” have inbuilt Defoamer which take care of foaming properties.

“SCOL N-8218” is high performance package which work on mineral Base oil.

“SCOL N-8218” covers Aniline point range from 74 °C to 82°C

Typical Properties:

1) Color	: Amber to Dark Brown.
2) Appearance	: Viscous Liquid.
3) Acid value	: Max 15 MgKoH/gm
4) Amine value	: Max 85. MgKoH/gm
5) PH 5% in Distilled water	: Min 9.5
6) Oil solubility 18 % in Naphthenic oil (22 Cst)	: Bright & clear
7) Thermal stability at 50 °C	: No separation

Key performance:

1. Excellent corrosion protection
2. Self-Emulsification
3. Biodegradable
4. Excellent Hard water stability
5. Cost Effective
6. Satisfies IS 1115 requirement
7. Good performance in Naphthenic Mineral base oil.



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Guideline Formulations:

Raw material	Formulation 1
SCOL 8218	18%
Naphthenic oil 22 cst	82%
Total	100%

Result :

Properties	Formulation 1
Emulsion stability in ratio 20:1 & 5:1 At 400ppm Hard water (IS 1115 P:98)	Passes
Cast iron Test in ratio 20:1 At 400 ppm Hard water (IS 1115 Appendix A)	Passes
Frothing test in ration 20:1& 5:1 in 200 ppm Hard water(IS 1115 P:99)	Passes
Thermal stability at 50 °C(IS 1115 P:100)	Passes
Stability test at 4 °C	Passes
Emulsion colour	Milky white

Dosing :

18% to 20%



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Storage condition:

Store inside warehouse, Temperature condition 10°C to 35°C

Avoid water collecting on barrel top,

Shelf life :

6 month From Date of manufacturing.

Pack size :

50 kgs HDPE Carboy, 200kgs HDPE Drums

For Health & safety please refer MSDS

Guidance information is given as per our Knowledge.