



Peak Oil

www.peakoil.co.uk

TECHNICAL DATA

Opal NCS6 & C Non-Phenolic Soluble Cutting Fluids



Peak Oil

Peak Oil Ltd

Foxwood Road, Sheepbridge, Chesterfield S41 9RF.

Tel: 01246 450242 Fax: 01246 456017

Email: info@peakoil.co.uk



TECHNICAL DATA

Opal NCS6 & C

Non-Phenolic Soluble Cutting Fluids

Non-phenolic soluble cutting fluids based on highly refined mineral oils and phenolic free emulsifiers. When mixed with water they will give very stable emulsions with considerable tolerance to hard water, low foaming tendencies and excellent resistance to bacteria. In order to obtain the highest possible standards of health and safety, they are formulated free from nitrites.

- ◆ *Opal C - produces a translucent emulsion when mixed with water. Recommended where grinding operations represent a large proportion of machining operations carried out, or where a clear soluble oil is preferred. In addition to grinding, this product is also suitable for all aspects of general purpose machining on ferrous and non-ferrous materials*

Performance Benefits

- ◆ *Opal NCS6 - produces opaque milky emulsions when mixed with water. Recommended for superior cutting control over a wide range of general purpose metal cutting operations on ferrous and non-ferrous materials*

Health and Safety

These non-phenolic soluble oils are mineral oil based and should be handled in according to good standards of industrial hygiene. Particular care should be taken to minimise skin and eye contact. Further detailed information is available on request.

Storage

Drums should be stored on their side in a clean, dry place and must be protected from extremes of temperature, store >5°C-<35°C.



Batoyle Freedom Group

Lubricants of Excellence

Typical Physical Characteristics

Characteristic	Opal NCS6	Opal C
Appearance	Light Amber	Dark Red
Specific Gravity @ 15°C	0.945	0.983
pH Value (2% In Distilled Water)	9.2	9.2
Corrosion Resistance (IP287)	30:1	80:1
Emulsion Stability (IP263)	Pass	Pass
Foaming Tendency	Low Foam / Immediate Collapse	

Recommended Dilution Rates

Operation		Opal NCS6	Opal C
General Machining	Cast Iron	20:1	40:1
Turning/Milling/Drilling	Steels	30:1	60:1
Grinding	Cast Iron	N/A	50:1
	Steels	50:1	80:1

Mixing Instructions

Opal non-phenolic soluble oils should only be mixed by adding oil into water or the emulsion.

The information given is correct to the best of our knowledge. It is offered in good faith but without guarantee as the conditions and methods of use of our products are beyond our control.