



EXCELLENCE IN LUBRICANTS

TECHNICAL DATA SHEET

Excellfluid ACL



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Excellfluid ACL

Water mix grinding fluid to prevent cobalt leaching

Product code: S051

Product Description:

Excellfluid ACL is a fully synthetic grinding fluid offering exceptional performance in most grinding operations. It is formulated using the latest technology and offers excellent corrosion protection, stable solutions, low foaming tendency, excellent fines separation and resistance to bacterial spoilage.

Excellfluid ACL is designed for the prevention of cobalt leaching when grinding tungsten carbide. It is however also suitable for most ferrous and non-ferrous applications.

Excellfluid ACL produces a translucent solution when diluted in water.

Benefits:

- Secondary Amine Free
- Triazine Free
- NP Ethoxylates Free
- Multi-Functional
- Low Foaming Tendency

Typical Test Data:

Appearance	Amber Liquid
Odour	Sweet
Specific Gravity (20°C)	1.070
pH (5% dilution in deionised water)	9.2
Anti-Corrosion by IP 287	2% Break Point
Refractometer correction factor	2.0
Appearance of emulsion	Water white micro emulsion
Reichert Lubricity Characteristics (@ 10% Dilution):-	
-Noise reduction (m)	85.0
-Load bearing capacity (kg/mm ²)	1.255

Application:

Excellfluid ACL should not be used at concentrations less than its specified corrosion break point.

Maximum machining performance can be achieved at concentrations up to 6%. However, the majority of operations will be completed with concentrations in the range 3 to 4%.



TECHNICAL DATA SHEET

Health & Safety:

Please refer to the safety data sheet, a copy of which is freely available to all of our customers.