

ADRANA DF 200

Water soluble metalworking fluid

DESCRIPTION

ADRANA DF 200 is a classic, semi-synthetic, metalworking fluid forming a stable microemulsion which is free from formaldehyde-release biocides.

The product contains high quality mineral oil and a sophisticated surfactant package.

APPLICATIONS

ADRANA DF 200 is recommended for general machining and grinding operations on cast iron and low to medium alloyed steels. It is suitable for use in both single sump machines and central systems.

The versatile microemulsion can be used over a wide water hardness range and is designed with excellent detergency and high wetting properties for a clean working environment.

RECOMMENDATION FOR USE

General machining 4-6 %

Medium duty machining 6-10%

Ferrous grinding 3-5 %

TYPICAL PHYSICAL PROPERTIES

<i>Concentrate Appearance</i>	<i>Amber oil</i>
<i>Specific Gravity @ 20°C</i>	<i>1.02</i>
<i>Refractometer Factor</i>	<i>1.6</i>
<i>Emulsion Appearance</i>	<i>Translucent</i>
<i>pH in Use</i>	<i>8.9 - 9.5</i>

BENEFITS

- Good separation of tramp oil - for ease of removal and longer emulsion life
- Excellent detergency – cleaner parts, machine tools and working environment
- Very stable emulsion - long fluid life between new fills, fewer additive treatments and lower usage costs
- Good corrosion protection – fewer rejects and lower maintenance cost
- Very low foaming - designed for high pressures and flow rates in both soft and hard water
- Chlorine, phenol, secondary amine and formaldehyde-free - Very good EHS profile

RELATED PRODUCT

Water soluble coolants are complemented by our full range of high quality, speciality production fluids including energy saving wash chemicals, low misting neat cutting oils, non-VOC rust preventives and long life heat treatment fluids. Fluidcare services complete our value added portfolio with a range of expert services and equipment to help reduce costs and improve productivity. For more information, please contact your local Houghton representative.

STORAGE

Please refer to section 7 of Safety Data Sheets for handling and storage information, including product shelf life. Product should be stored under cover in clean, dry conditions and protected from frost. Recommended storage temperature is usually between 5°C and 40°C unless otherwise specified. Use stock in delivery rotation.

HEALTH AND SAFETY

Safety data sheets are available in accordance with Regulation (EC) No 1907/2006 Annex II where a substance or preparation meets the criteria in accordance with Directives 67/548/EEC or 1999/45/EC.



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