

Adrana D 208

Water miscible metalworking fluid

DESCRIPTION

Adrana D 208 is a high quality, general-purpose metalworking fluid for easy to medium duty applications on ferrous metals.

APPLICATION

Adrana D 208 is recommended for easy to medium duty operations on cast iron and (low to medium alloyed) ferrous metals. It is designed to be used on CNC machine tools, due to its excellent detergency and high wetting properties.

Adrana D 208 is suitable for all removal and grinding operations on both stand alone machines and in central systems. Adrana D 208 is employable over a broad water hardness range.

RECOMMENDATIONS FOR USE

General machining	4 – 6 %
Severe cutting operations	5 – 8 %
Grinding	3 – 5 %

TYPICAL PHYSICAL PROPERTIES

TEST	TYPICAL VALUE	TEST METHOD
Mineral Oil content %	22	
Specific gravity @ 20 °C	1.020	ASTM D 1298
Viscosity @ 20 °C, mm ² /s	120-220	ASTM D 445
pH of emulsion @ 5%	9.5	DIN 51396
Min. Anti-Corr. Protection limit (o – o, %)	4	DIN 51360/2
Refractometer factor	1.6	
Acid split factor	3.1	

ADVANTAGES

- ❑ Very high stability – extending the fluid life
- ❑ Good cooling properties that provide sufficient tool life and part geometry
- ❑ Excellent detergency – resulting in clean parts, clean machines and assisting in creating a more pleasant working environment
- ❑ Excellent corrosion protection – due to presence of specific anti-corrosion inhibitors; resulting in lower reject rate and lower maintenance costs
- ❑ Very low foam – ensuring problem free working operations and allowing high pump pressures and flow rates
- ❑ Good separation of tramp oil – as a result this can be easily removed to prolong fluid life
- ❑ Environmental compliance – free of chlorine, secondary amines, phenol and nitrite

STORAGE

Product should be stored under cover in clean, dry conditions and protected from frost. Recommended storage temperature is between 5°C and 35°C. Use stock in delivery rotation. A shelf life of twelve months can be anticipated.

HEALTH AND SAFETY

Health and Safety Data Sheets are supplied to customers to comply with Section 6 of the Health and Safety at Work Act 1974, and should be closely studied prior to handling or use of the product. Copies are available from your Technical Health and Safety Officer. Various other advisory publications are available from the Health and Safety Executive and Her Majesty's Stationery Office.

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All data given in this Product Data Sheet are typical of this material. It does not however constitute a specification. We reserve the right to modify products without prior notice. All products, services and information supplied are provided upon the terms of our standard Conditions of Sale from time to time in force.

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