

# ADRANA™ D 208.08

## Micro-emulsion metalworking fluid

### DESCRIPTION

**ADRANA D 208.08** is a high quality micro-emulsion general-purpose metalworking fluid for easy to medium duty applications on ferrous metals. **ADRANA D 208.08** 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 208.08** is employable over a broad water hardness range.

### FEATURES

**ADRANA D 208.08** is an odourless micro-emulsion with:

- High detergency for clean parts and machine tools.
- High stability extending the fluid life
- Good corrosion protection
- Extremely good foaming behaviour for use in soft water and high pump pressure/ flow rates.
- Good cooling properties that provide sufficient tool life and part geometry.
- Operator friendly

### TYPICAL VALUES

Product Appearance	Amber Fluid
Emulsion Appearance @5%	Translucent White
pH @5 %v/v	9.5
Specific Gravity @15°C	1.020 kg/L
Brix Concentration Factor	1.55
Typical Viscosity @40°C	120—220 cSt
Mineral Oil content:	22%
Min Anti-Cor. Protection Limit (0-0) (DIN 51360/2):	4%

### HEALTH AND SAFETY

Refer to MSDS for proper handling and disposal. Please note that the MSDS includes handling, health and disposal information which should be passed on to your employees, and to anyone else who comes in contact with our product. Additional advice can also be obtained from your local Houghton representative.

NOTE: Read and understand all precautions on container labels before using this product.

01 July 2011 Version 1.0, Code: D901L3572



D.A. Stuart India Private Limited  
 Plot No. 32A. HUDA Enclave,  
 Jubilee Hills, Hyderabad  
 Andhra Pradesh 500033 India

Phone: +91 (40) 2354-1250  
 Fax: +91 (40) 2354-4869  
 info@houghtonindia.com  
 www.houghtonindia.com

This document contains information based on data that is believed to be correct. However, the product may not be applicable to all uses and operating environments. No warranty or guarantee is expressed or implied.

# ADRANA™ D 208.08

## Micro-emulsion metalworking fluid

### REFERENCES

**ADRANA D 208.08** is suitable for all removal and grinding operations as well on standalone machines and in central systems.

### HOW TO USE

The concentration of **ADRANA D 208.08** varies depending on the type of machining operation, the water hardness and the required inter-operational corrosion protection.

General machining : 4 – 6 %

Severe cutting operations : 5 – 8 %

Grinding : 3 – 5 %

This may be customised to suit individual needs or solutions, which may vary from time to time. Houghton strongly advises that you contact your Sales Representative to discuss before commencement of use.

### SHELF LIFE & AVAILABILITY

Under normal conditions the recommended shelf life for **ADRANA D 208.08** is a minimum of Twelve (12) months, unless otherwise specified. The product should be stored inside (5-40°C) for no more than 1 year and be protected from freezing.

**ADRANA D 208.08** is available in Pail, Drum or Tote. Other sizes may be available upon request, please contact your Houghton sales representative.

01 July 2011 Version 1.0, Code: D901L3572

### RELATED PRODUCTS

- CUT-MAX®: Straight cutting oils
- GARIA™: Straight cutting oils
- MACRON™: Straight cutting and honing oils
- EXCELENE™: Straight cutting and honing oils
- DASCOLENE™: Straight OEM approved cutting oils
- HOCUT®: Water miscible metalworking fluids
- DASCOOL™: Water miscible metalworking fluids
- DROMUS™: Soluble metalworking fluids
- ADRANA™: Micro-emulsion metalworking fluids
- SITALA™: Semi-Synthetic metalworking fluids
- METALINA™: Synthetic metalworking fluids
- HOUGHTO-GRIND®: Straight and water miscible grinding fluids
- HOUGHTO-DRAW®: Straight and water miscible drawing stamping and forming fluids.
- CINDOL™: Straight and water miscible drawing and forming fluids especially for Aluminium parts.
- FENELLA™: Straight and water miscible drawing, stamping and forming fluids.
- CERFA-KLEEN®: Water miscible cleaning fluids
- VIBRA-KLEEN®: Water miscible vibrating cleaning fluids
- CALLINA™: Water miscible cleaning fluids
- RUST VETO®: Straight and water miscible rust preventive fluids.
- ENSIS™: Straight and water miscible rust preventive fluids.
- COSMOLINE®: MIL-SPEC Straight and water miscible rust preventive fluids.



D.A. Stuart India Private Limited  
 Plot No. 32A. HUDA Enclave,  
 Jubilee Hills, Hyderabad  
 Andhra Pradesh 500033 India

Phone: +91 (40) 2354-1250  
 Fax: +91 (40) 2354-4869  
 info@houghtonindia.com  
 www.houghtonindia.com

This document contains information based on data that is believed to be correct. However, the product may not be applicable to all uses and operating environments. No warranty or guarantee is expressed or implied.