

ADRANA D 601.01

Water soluble metalworking fluid

DESCRIPTION

ADRANA D 601.01 is a classic boron amine, semi-synthetic, extreme pressure, metalworking fluid forming a stable microemulsion based on high quality mineral oil and sulphurised EP additives.

APPLICATIONS

ADRANA D 601.01 is recommended for medium to heavy duty machining and grinding of all types of alloy steels including stainless steels.

Heavy duty performance is provided by a sulphurised extreme pressure package designed with high wetting properties to maintain machines free from build up of swarf.

The product is designed for both soft to hard water quality and is recommended for individual machines and central systems.

RECOMMENDATION FOR USE

General machining 5 – 7 %

Heavy duty machining 8-12%

Ferrous grinding 4 – 5 %

TYPICAL PHYSICAL PROPERTIES

| | |
|--------------------------------|-----------------------|
| <i>Concentrate Appearance</i> | <i>Hazy brown oil</i> |
| <i>Specific Gravity @ 20°C</i> | <i>1.01</i> |
| <i>Refractometer Factor</i> | <i>1.4</i> |
| <i>Emulsion Appearance</i> | <i>Translucent</i> |
| <i>pH in Use</i> | <i>8.7-9.5</i> |

BENEFITS

- High lubricity EP emulsion - gives reduced tooling costs and improved surface finish for difficult operations
- Excellent detergency – cleaner parts, machine tools and working environment. Prevents build up of grinding swarf on machines
- 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 and secondary amine-free - 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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