

Last Updated: 19.01.2016
Product Code: IC 0386

SARSOL WHITEWATER CU is a high performance, emulsion soluble cutting fluid specially formulated for the machining of yellow metals.

BENEFITS

- Formulated with a copper passivator to ensure non-staining of the workpiece.
- Exceptional cooling properties.
- Good anti-corrosion inhibition.
- EP additives ensure good tool cutting and high quality surface finish.
- Nitrite and phenol free.
- Versatile product, can be used on a multitude of materials.
- Forms stable, low viscosity emulsion.

APPLICATIONS

(Recommended treat rate 3-8% in water, depending on severity of application. Minimum treat rate 3% in water)

| | Turning | Drilling Milling | Sawing | Grinding | Honing | Lapping | Threading | Deep Hole Drilling | Broaching |
|--------------------------|---------|---------------------|--------|----------|--------|---------|-----------|-----------------------|-----------|
| Steel | ✓ | ✓ | ✓ | | | | ✓ | | |
| Stainless Steel | ✓ | ✓ | ✓ | | | | ✓ | | |
| High Alloy Steel | ✓ | ✓ | ✓ | | | | ✓ | | |
| Titanium | | | | | | | | | |
| Carbide | | | | | | | | | |
| Cast Iron | ✓ | ✓ | ✓ | | | | ✓ | | |
| Copper Alloys | ✓ | ✓ | ✓ | | | | ✓ | | |
| Aluminium Alloys < 7% Si | ✓ | ✓ | ✓ | | | | ✓ | | |
| Aluminium Alloys > 7% Si | | | | | | | | | |
| Plastic | ✓ | ✓ | ✓ | | | | ✓ | | |

Water hardness should be checked to determine optimum running concentrations, please consult your SAR Lubricants Sales Engineer for further details.

TYPICAL PROPERTIES

| | |
|---------------------------|-----------------------------------|
| Appearance | Dark amber liquid |
| Specific Gravity @ 15.6°C | 0.930 |
| pH (3% solution) | 8.5 |
| Aqueous Solubility: | Forms a fine white milky emulsion |

FLUID MAINTENANCE

Refractive Index: - 1.0 = % / ° Brix

| <i>Refractometry data for Sarsol Whitewater CU</i> | |
|---|------------------------------------|
| <i>Refractometer reading</i> | <i>Actual Concentration</i> |
| 0 | 0 |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |
| 11 | 11 |

HEALTH & SAFETY, STORAGE AND DISPOSAL

SARSOL WHITEWATER CU should be stored in dry conditions and protected from extreme temperatures: between 4°C and 35°C is the recommended storage temperature.

SARSOL WHITEWATER CU is unlikely to present any significant health or safety hazard when used as recommended by SAR Lubricants. Good standards of personal and industrial hygiene are to be maintained by the user (see Material Safety Data Sheets). In order to protect the environment, the product used should be safely disposed of by a licensed contractor. The packaging material should be handled by a recognised reconditioning firm.

Prior to using this product, consult the Material Safety Data Sheet for instructions regarding safe handling and environmental issues. The information contained herein is based on data available to us and is believed to be accurate.

HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR TO BE IMPLIED, REGARDING THE ACCURACY OF THESE DATA. THE RESULTS TO BE OBTAINED FROM THE USE THEREOF, OR THE HAZARDS CONNECTED WITH THE USE OF THE PRODUCT.

SAR Lubricants assumes no liability for any alleged ineffectiveness of the product or any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is solely attributable to negligence on the part of SAR Lubricants