# Serade AW Emulsion

## DESCRIPTION

The Serade range consists of post-treatment additives. Used at the right time, based on the recommendations of your technical advisor, these additives allow you to extend the life of your soluble cutting fluid baths in service.

**Serade AW Emulsion** increases the antiwear and extreme pressure power of a soluble metalworking fluid bath.

## APPLICATIONS

- **Serade AW Emulsion** is recommended when, despite good service conditions (concentration, pH, etc.), the client observes excessive wear of metal parts by friction.
- **Serade AW Emulsion** can be used to reduce this mechanical wear.
- **Serade AW Emulsion** permits increasing tool lifetime and provides cleanliness of machine and workpieces.
- **Serade AW Emulsion** is dedicated for use with Lactuca and Spirit ranges. It can be used in both large units and individual machines.
- **Serade AW Emulsion** is used in doses from 1 % to 5 % in the bath in service. To be sure of the dose to be added, we recommend that you call your sales contact to obtain a precise analysis by our laboratory, or possibly carry out a progressive test starting at 1 %, then at 3 or 5 %.
- **Serade AW Emulsion** must be added directly in the part of the bath where agitation is greatest. The product must be added to the bath slowly so as not to destabilize it.

## ADVANTAGES

**Serade AW Emulsion** permits improving the anti-wear/extreme pressure performance of the bath in service: the result for our clients is optimized productivity (fewer tool breaks, better surface state of parts, etc.).

## HEALTH AND SAFETY

**Serade AW Emulsion** conforms to the most recent regulations to minimize its impact on human beings and the environment. Please refer to the safety data sheet (MSDS) as these products are active concentrates.

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial advisor or downloaded at ms-sds.totalenergies.com

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# TYPICAL CHARACTERISTICS

| Typical characteristics | Methods | Units | Serade AW emulsion |
|---|---|---|---|
| Aspect | Visual | - | Orange |
| Kinematic viscosity at 40 °C | Internal | $mm^2/s$ | 171 |
| pH in dilution with 50 % water | Internal | - | 8 to 10 |
| Density at 15 °C | ISO 12185 | $kg/m^3$ | 985 |

The characteristics shown in this table are typical values given for illustrative purposes.

The **Serade** range is a full range of post-treatment additives for soluble cutting fluids in service, that allows you to dope specific lubricant properties: antifoaming power, increasing pH, protection against corrosion, emulsion stabilization, combating tool wear, etc.

**Serade** range works in synergy with the cutting fluid monitoring offer of **LubAnac Soluble.** Regular having analyses of your fluid in our laboratory, will ensure longer-lasting bath and provide optimized technical performances.

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