

# METOLAT®700 SERIES

## TECHNICAL INFORMATION

### Wetting agents for aqueous systems

**Composition:** Blend of non-ionic surfactants  
**Appearance:** liquid  
**Colour:** slightly cloudy to colourless, with mild settling  
**Typical Properties:**

	METOLAT 700	METOLAT 725	METOLAT 750	METOLAT 775	METOLAT 780
<b>Density at 20°C</b>	8.10 lbs/gal	8.08 lbs/gal	7.94 lbs/gal	7.88 lbs/gal	7.85 lbs/gal
<b>Surface Tension (Wilhelmy Plate; 0.1% in DI water)</b>	25.7 mN/m	25.6 mN/m	25.6 mN/m	25.6 mN/m	26.7 mN/m
<b>HLB (Griffin method)</b>	12.5	11	10	9	9
<b>Viscosity at 25°C</b>	30 – 130 cP	40 – 140 cP	20 – 120 cP	20 – 120 cP	20 – 120 cP
<b>Foam Tendency</b>	Medium Foam	Low Foam	Low Foam	Low to No Foam	Low to No Foam

*This information is intended as a guideline only and should not be used to issue specifications. Slight deviations do not affect application and capability of the product. For specifications please consult the Certificate of Analysis.*

**Properties/applications:** MUNZING's METOLAT 700 series are APEO free wetting agents with excellent equilibrium and dynamic surface tension reduction for a wide range of coating and ink applications. The product range is formulated with varying HLB values to provide optimal compatibility and performance based on the system chemistry and application requirements.

**Main applications:**

- Printing ink
- Coatings; architectural, wood and industrial
- Overprint varnishes
- Adhesives

**Recommended levels/use:** The properties of a wetting agent are greatly dependent upon our customer's formulations and consequently, should always be tested (possibly at different treatment levels, temperatures, and/or time intervals) to verify performance prior to use. Optimization studies are recommended to achieve the proper cost effective dosage level. The normal dosage ranges from 0.10% to 2.0%

**Storage/handling:** Always mix prior to use as the product tends to separate slightly. For better handling, store at room temperature. Mix product and retest for quality after one year from the date of manufacture. The minimum shelf life in closed containers is 12 months from the date of manufacture.

**Packaging:** Refer to Material Safety Data Sheet for additional handling information. Drums holding 440 lbs/ 200 kg net or 5 gallon pail holding 40 lbs/ 18 kg net.

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