WEDOLiT® FW 7651

Water-miscible, fully synthetic coolant for the whole tube welding line

WEDOLiT FW 7651 is suitable for the manufacturing of welded steel tubes. It fulfils the requirements regarding lubrication and cleanliness of the tubes and rollers as well as the corrosion protection of the tubes and the system (in a concentration of 4 - 6%).



Physical Properties Typical Data

Concentrate

Colour	Mineral oil content	Viscosity at 20°C: ASTM D 7042	Density at 20°C: ASTM D 7042	Copper corrosion: DIN 51759-1
Yellow, clear	Free	6.6 mm^2/s	1.06	Not determined*

5% Solution

Colour	pH-value (tap water)	Corrosion protection DIN 51360-2	Refractometer factor (brix)	Conductivity (Deionised water)
Clear	9.4	5 % grade 0	2.3	1940 µS/cm

Mineral oil	EP-additives	Chlorine	Boron	Amines	FAD
-	+	-	+	+	+

*Discolourations of non-ferrous metals should be examined in preliminary tests

Application Guidelines

The preparation of the solution is carried out by slowly adding the concentrate into water (drinking water quality) under thorough stirring. A more homogenous product is achieved by the use of automatic mixing systems.

Storage must be frost-free between 5 - 40°C.
The minimum durability is 12 months in an original sealed package.

Additional Information

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Choose WEDOLiT FW 7651:

- Due to its thermal stability, the product can be used in the whole production line (forming, welding, calibration, sawing)
- No emulsification of mineral oils and engine lubricants. Therefore, the application of an anticorrosion oil is possible (e.g. on the Turk's head of the tube welding engine in the manufacture of profiled tubes)
- Can be centrifuged without loss of active substances
- Removable with organic solvents or alkaline industrial cleaners
- A bright workpiece surface is obtained after annealing

Recommended mixing ratio

- Tube welding: from 4 - 6%

Health and Safety

For further information, see the most recent SDS which is available directly from Master Fluid Solutions.

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