AGS MTEX

mineral oil-based, water emulsifiable metalworking fluid concentrate

AGS Mtex is a water emulsifiable metalworking fluid concentrate for the general machining, e.g. turning, milling, drilling and sawing of cast iron, steel, high alloy steel and aluminium.

Thanks to its specially chosen top grade emulsifier system, ZETA ME 1797 is highly versatile. ZETA ME 1797 works particularly well in both soft and hard water. This product is a soluble oil for universal metal working operations (free from formaldehyde releasing agents) and is suitable for a wide range of water hardness.

Product profile:

- boric acid and amine containing coolant concentrate
- free from formaldehyde donators
- polar lubricity improvers allow the machining of aluminium

Product properties / advantages:

- very good technical stability giving long sump life
- low foaming emulsion in recommended make-up water
- produces stable emulsions in water from 5 °dH to 30 °dH
- emulsions in use are stable in water up to 80 °dH
- good cooling and detergency properties
- good corrosion protection
- universal metalworking fluid for both freestanding machines and central systems

Technical data:

Concentrate		Emulsion		
Kin. viscosity at 20 °C [mm²/s]	Mineral oil [%]	pH at 5 %	Corrosion protection DIN 51360/2	Refractometer factor [%/°Brix]
197	approx. 40	9.4	5 % - note 1 (traces of staining)	1.1

Application:

general machining

Remarks:

Correct preparation of a fresh emulsion is ensured by slowly pouring the concentrate into water while stirring continuously. Alternatively, an automatic mixing device may be used.

The recommended concentration depends on the application and the materials to be machined:

General machining of cast iron, steel and aluminium: from 5 %
Medium machining: from 10 %

The concentration of the in-use emulsion may be checked using a refractometer. The refractometer reading must be multiplied by the refractometer factor to arrive at the concentration.

When intending to machine aluminium alloys, we suggest checking in advance the tendency of the alloy to stain.

Shelf life / storage conditions:

stable for 12 months when stored at a temperature of 5 °C to 40 °C in unopened containers

Comments:

Minor variations in colour and appearance are possible due to the raw materials chosen. However, these have no influences on the functionality of the product.

All information on safe and proper handling can be found on the MSDS.