

# GOLDENSTONE® EMULSOL AB

## Technical Data Sheet (TDS) METALWORKING FLUIDS

### Description and Application

**Goldenstone® Emulsol AB** is high quality mineral oil based metalworking fluid that when mixed with water forms milky emulsions. It is formulated from highly refined base stocks of paraffinic-naphthenic type and an additive package ensuring very good lubricity and emulsion stability and resistance to bacterial growth, and excellent protection of working tools and machined parts against corrosion and wear.

**Goldenstone® Emulsol AB** is biostable metalworking fluid which is used as 5% oil-in-water emulsion in various ferrous metal removing and forming operations, such as: turning, milling, drilling, grinding, tapping and threading, broaching and gear-cutting. It can also be used for non-ferrous metals machining but at certain conditions.

### Benefits

- Ensure optimum cooling and lubrication of the cutting tools
- Better corrosion protection than the conventional mineral cutting fluid
- Ensures long emulsion life by protecting the lubrication system from bacterial and fungi growth
- Forms stable emulsions with wide range of water hardness
- Free from chlorine, nitrites, phenols and secondary amines

### Specifications

	Water-Miscible MWF
ISO 6743/7	ISO-L-MAB
BDS 14745	COT/ P-M/ E-2

### Typical Characteristics

Parameter	Test Method	Typical Value
Properties of the Concentrate		
- Appearance	Visual	Clear, brown fluid
- Kinematic Viscosity at 40°C, mm <sup>2</sup> /s	EN ISO 3104	38
- Density at 20°C, g/ml	EN ISO 3675	0.891
Properties of 5% water emulsion:		
- pH	ISO 4316	9.2
- Stability, %	BDS 14843	97
- Foaming, mm/s	BDS 14887	5/0
- Emulsification time, s	BDS 15014	140
- Ferrous metal corrosion	BDS 14912	Pass
- Copper corrosion	BDS 14912	Pass

Important note: typical data values do not constitute a specification but are an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.

## Health, Safety and Handling

Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application.

For more information about product MSDS, terms and conditions for storage and shelf life please visit:

<http://www.goldenstoneoils.com>

Fluid must be stored in closed and dry warehouses. After opening keep the container with concentrate tightly closed.

## Packages

20L, 210L, 1000L

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