



Product Specification Report

1.0/99840001/0117

Semisynthetic emulsifiable metalworking fluid for grinding and machine work on steel, light alloys, copper, bronze and brass.

METALUBE SEMISYNTH 21

Semisynthetic cutting fluid

FEATURES:

Metalworking fluid	Excellent cooling and lubrication that remain constant during operation.
Anti-corrosion	Anti-corrosion additives provide excellent protection of the workpieces.
Biostable	Contains biocides to prevent bacterial and fungal growth.
Low foaming	The fact that it's low foaming makes this product is also suitable for use in high pressure systems (>30 bar).
Broad compatibility	For use on cast iron, steel, aluminium, copper, bronze and brass.

APPLICATIONS:

Ideal for all medium-duty cutting and grinding operations with chip removal. Can be used for milling, drilling, grinding etc. on cast iron, steel alloys, aluminium, copper, bronze and brass.

INSTRUCTIONS FOR USE:

Slowly add the product to water while vigorously stirring. This should result in a transparent emulsion. Concentration for use: 4-12%, depending on the type of operation. The dosage depends on the exact conditions, for more information please contact Zeps technical specialists. Recommended dilutions (%):

	Carbon steel	Alloyed steel	Cu Al alloys	Cast iron, stainless steel
Light	4	5	4	4
Medium	6	7		
Heavy	8	10	6	6

PRECAUTIONS FOR USE:

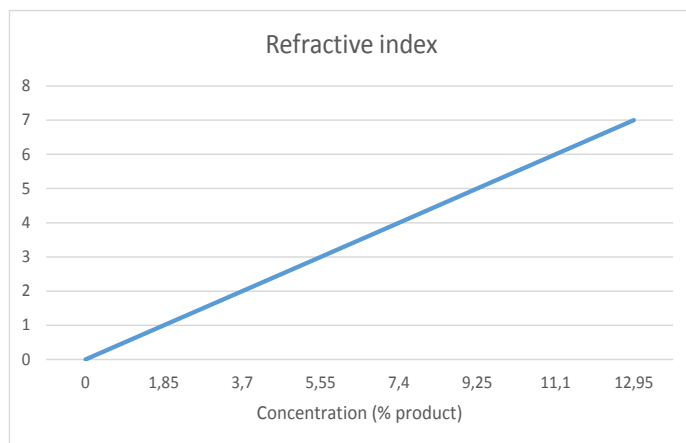
Store between 5°C and 40°C. When stored at lower temperatures, gelification can occur. This makes it more difficult to create the emulsion.

SPECIFICATIONS:

Form Clear Liquid
 Colour Amber
 Odour Characteristic
 Density (20°C) 1,03 g/cm³
 Appearance emulsion 5% ... Transparant
 pH emulsion 5% ± 9,7
 Refractive index 1,85

ANALYSIS:

Take a sample of the emulsion, and measure the refractive index.



All information in this document is based on our practical experience and/or laboratory tests. Due to the multiplicity of conditions for usage and variable human factors, we recommend that you always test our products for suitability prior to use. At any time, this version of the product specification report may have been revised based on legislation, availability of the individual ingredients or newly acquired information. The current approved version is available upon request.



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