

BAKSİD 116 S**BACTERICIDE and FUNGUCIDE****PRODUCT DESCRIPTION**

It is a wide spectrum and highly effective bactericide/fungicide used for the preservation of water-soluble metalworking fluid emulsions.

Metalworking fluid emulsions are rich nutrition sources for the microorganisms which can decompose constituents such as emulsifiers etc. As these products are used as mixed with water, it is essential to maintain long-term control over the potential reproduction of microorganisms (bacteria, fungi, yeast etc.) in the emulsion.

Main problems that may be observed due to an increase in the reproduction of microorganisms in the emulsion are decrease in pH value and corrosion resistance, increase in conductivity, putrefaction in emulsion, oil separation, clogging in the system, instantaneous foam formation and rising skin sensitivity complaints.

APPLICATION / USAGE

It is used via adding to metalworking fluid emulsions at % 0,1 – 0,2 concentration range, according to the microorganism contamination level.

Since microbial reproduction will increase as the usage period of the emulsion increases, it is recommended that the system is regularly controlled via dip-slide method to detect microbial activity and metalworking fluid and BAKSİD 116/S is added to the system if necessary.

Recommended concentrations should not be exceeded since uncontrolled and high concentration usage may lead to skin irritations.

ADVANTAGES / BENEFITS

- It prevents possible putrefaction in the emulsion and provides system cleanliness.
- It has immediate effect on reducing microorganism count and provides lasting protection due to its homogeneous dispersion in the emulsion. Therefore, it is an economical product.
- It prevents problems such as oil separation and decrease in lubricating properties of the emulsion which may result from the decomposition of the active constituents of the product by microorganisms.
- It keeps the fungi-yeast reproduction under control and prevents clogging which may occur in the system, pipelines and filters.
- In case of usage at recommended concentrations, it is harmless to human health.
- It is %90 biodegradable in nature after 48 hours.

STORAGE

Protect from direct sunlight and rain. Store in the original closed drums and in covered areas. Storage temperature must be between (+5)-(+40) °C.

HEALTH AND SAFETY

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application. Used or waste product should not be allowed to contaminate soil or water. Used or waste product should be disposed of in accordance with local regulations. For further guidance on product Health and Safety refer to the appropriate Material Safety Data Sheet.

TECHNICAL PROPERTIES	TYPICAL VALUES	TEST METHOD
Appearance	Yellow, clear	-
Refractive Index (nD ₂₀)	1,4450 ± 0,005	ASTM D 1218
Density (20°C, g/cm ³)	1,10 ± 0,05	ASTM D 1298
pH (%1)	11,0 ± 0,5	ASTM D 1287

"The above information is derived from our quality checks. Given values are typical of current production. While future production will conform to our specification, variations in these characteristics may occur. Quality Control Analysis Report for to learn properties of the product that is supplied can give. It does not relieve the purchaser from examining product upon delivery and gives no assurance of the product for any particular purpose. Due to continual product research and development, the information contained herein is subject to change without notification."

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