

**BORTEX AL-22****ALUMINUM ROLLING OIL****Product Description**

It is a rolling oil which forms stable emulsion with water. It is formulated with a well-balanced additive content which consist of high quality mineral base oils, strong emulsifiers and corrosion, foam and microorganism preventive chemicals. It is especially designed for aluminum hot rolling processes.

**Application/Usage**

It is especially developed for using in aluminum hot rolling processes.

It is recommended to use 6-10% depends on processes.

The emulsion should be prepared by adding the product on the demineralize water in an emulsion preparation tank if possible. As unstable emulsions occur as a result, water should never be added on the product during preparation.

% Concentration value should be periodically controlled during usage and BORTEX AL-22 should be added to the system when necessary.

**Advantages/Benefits**

- It can be used succesfully even hard conditions tahnks to its special additives. It provides long service life for the emulsion due to its resistance to microorganism production.

- Due to its special additives, it provides effective protection against corrosion during the operation and short-term storage,
- Thanks to its superior wetting property increases the cooling capacity and surface quality,
- In case of usage at recommended concentration ranges, it does not cause any harm to the machining tool paint and/or tool sealing and closure apparatus. It provides cleanliness of the machining tools and pipelines.
- Provides long emulsion life, thanks to the cleaning and filtering ability.

**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	TEST VALUES	TEST METHOD
Appearance	Dark yellow, cloudy	-
Emulsion Appearance (%5)	Milky	-
pH (%5)	8,8	ASTM D 1287
Refractometer Factor	1,0	Hand Refractometer

"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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