



PRODUCT INFORMATION

Hasco Forge FE4-332A

WATER BASED FORGING LUBRICANT

Description

Hasco FE4-332A is a water based forging lubricant designed to extend die life and reduce scrap through its advanced lubrication technology. The distinctive chemistry of FE4-332A reduces the risk of fires, minimizes die build up, and enhances operator acceptance.

Application

FE4-332A is designed for the hot forging of aluminum alloys for the automotive and aerospace industries where die temperatures are typically between 650°F and 700°F. However, certain applications and conditions may allow the product to be used at temperatures outside of this range.

FE4-332A is designed to be used as received.

Advantages

- Reduces consumption over oil based lubricants
- Minimal smoke, low odor, and lead free technology improves operator acceptance
- Water based technology reduces the risk of fires and greatly lowers VOC's
- Acts as a good parting agent to prevent parts from sticking in the dies and minimize downtime
- Minimizes heavy die build up
- Suspends graphite to reduce packing and lessens the need for agitation

Typical Characteristics

	Unit	Test Method	Value
Appearance	Visual	Visual	Black Fluid
pH of concentrate	-	ASTM E 70	7.5 – 7.8
Specific Gravity @ 60°F	-	ASTM D 1298	1.01 – 1.05
Density @ 60°F	lb/gal	ASTM D 1298	8.6

User Advice

FE4-332A should be applied by low pressure spray equipment for optimum performance.

Continuous agitation is recommended to ensure even distribution of the graphite.