

## AF 2000

*Eco Friendly Hot Forging Lubricant*

### Benefits :

- **AF 2000** a water based formulation which promotes clean environment.
- Non flammable • No gas generation • Non polluting • Clean transparent fluid • Biodegradable, has little or no negative effect on aquatic eco systems when diluted 20 to 30 times with clean water.
- **AF 2000** maintains optimum temperatures of around 280°C ± 20°C in forging conditions by steadily cooling the dies.
- Due to excellent demoulding and lubrication properties it minimizes scratches and abrasions on work pieces and dies. The white coating on the die surface leaves no residue and dissipates completely after forging.
- AF 2000's very good anticorrosion property prevents damage to forging equipment, dies, spray guns, tanks.
- Can immediately replace graphite or its related products as a lubricant; as graphite creates unhealthy and unsafe working atmosphere due to its fine dust floating in the plant which is likely to cause bronchitis and pneumoconiosis to the operators along with contaminating the machinery.

### Applications :

- Demoulding lubricant for hot forging of carbon steel, alloy steel, stainless steel, non-ferrous metals.
- Widely used in forging and extrusion industries related to automotives, pipes and tubes manufacturing and ferrous and non-ferrous metal flange and fitting forgings.

### Method of Use :

- Dilute the product AF-2000, 5 to 15 times its volume with clean water, in some cases it can be diluted over 20 times.
- The dilution ratio can best be determined during operation depending on the condition of die surface and workability of the die.
- For coating, a spray gun is most suitable for optimum performance but can also be used by brushing or swabbing.

Characteristics	Test Method	Unit	Specifications
Appearance	Visual	–	Clear Transparent Liquid
Colour	Visual	–	Light Yellow
Specific Gravity @ 15°C [typ.]	*CTM	–	1.078
Pour Point	ASTM D-97	°C	-15
Flash Point / Fire Point	ASTM D-92	°C	Non-existent
pH Value	*CTM	–	8 - 10

\*CTM=Corporate Test Method

MSDS available on request.

Due to continual upgradation of products above data is subject to change without notice  
This supersedes our previously issued data sheets.

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