



P R O D U C T I N F O R M A T I O N

GULFCUT 91A

Product Description

GULFCUT 91A is a low viscosity neat cutting oil based on a synthetic ester, imparting high lubricity and extremely good thermal stability. This allows working temperatures where mineral oil or vegetable oil based products can become thick and resin like. This product is particularly suitable for operations requiring high precision like honing.

GULFCUT 91A contains special additives to give excellent surface finish on machining of hardened steel and Nickel alloys. This can also be used for superfinishing operations using stones rather than tapes. These additives also restrict sulfur leaching from the work piece.

Product Applications

GULFCUT 91 A is suitable for honing toughened steels, nickel alloys and to achieve extremely good finishes in micro finishing operations. This product can be used for fine machining of Steel and non ferrous metals as well as light drawing and stamping operations.

GULFCUT 91 A is suitable for honing of non-ferrous metals with ceramic or bakelite bonded carborundum, silicon carbide stones and metal bond diamond stones.

Product Benefits

- Excellent finish in microfinishing operations.
- Prevention of sulfur leaching from the workpiece, resulting in clean appearance in subsequent operations.
- Better tool life due to special additive.
- Universal application - suitable for many honing machines.
- Synthetic Ester based giving longer life.
- Higher temperature operating range.
- Minimum disposal problems - No chlorine present.
- One product for ferrous and non ferrous applications - Low inventory cost.

Typical Properties

Appearance	Clear Red Liquid
Kinematic Viscosity @ 40 deg C	4.9 cSt
Density @ 29.5 deg C	0.830
Flash Point (PMCC)	120
Kinematic Viscosity @ 40 deg C	4.9 cSt

Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. The above information is based on past history of the grade only and must not be construed as a guarantee of performance. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available with your nearest Gulf office.

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