



# OMEGA INDUSTRIES

AN ISO 9001:2008 COMPANY

MANUFACTURERS OF INDUSTRIAL OILS AND GREASES

PLOT NO. E-21, M.I.D.C. KUPWAD, Dist. - Sangli 416 436. (Maharashtra)

Phone No. : 0233-2645101 / 2644201

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## **PRODUCT DATA SHEET**

### **(Soluble Cutting)**

It is formulated with solvent neutral naphthanic base oil.

- Emulsikut -40 (Soluble Cutting Oil) is long life water soluble mineral cutting oil.
- It is environment friendly oil.
- It is high quality cutting oil and gives extra rich milky emulsion in water.
- Novel coupling agents gives stable and Homogenous water and oil emulsion.
- Special biocide is added to prevent bacterial growth for long time.
- Emulsikut 40 contains rust-inhibitors to protect components and machine from rusting and corrosion.

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#### **BENEFITS**

- Superior extreme pressure properties.
- Excellent flushing ability of the product ensures cooling & Chip removal ability.
- Suitable for all moderate machining & grinding operations.
- High quality cooling & Lubricating property.
- Gives superior surface finish.
- Rich milky white emulsion.
- Excellent tool life.
- Reduced foaming.
- Reduces wheel loading.
- Special biocide enhances sump-life.
- Good rust protection.

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#### **APPLICATIONS:**

- 1) Sump Life: 4 Weeks (Minimum).
- 2) It is suitable for all moderate machining and grinding operations on ferrous and non- Ferrous metals. Do not use for magnesium and titanium.

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#### **DILUTION RANGE**

Emulsikut -40 Dilution range shall be 5 % for machining & grinding operations.

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- **STANDARDS**

Emulsikut - 40 Meets IS: 1115 – 1986 (Reaffirmed 1996)

- **TYPICAL TESTS**

Particulars	Results
Appearance	Pale Yellow & clear
Kinematic Viscosity @ 40° C Cst	20
Specific Gravity	0.890 +/- 0.01
Emulsion Type	Rich milky Emulsion
Flash Point (COC) °C min	180
Refractometer Reading	6 +/- 1
Copper Stripp corrosion @ 95° C	Passes 1b
Reactivity : 1	
Oil contents	80 %
PH of 5 % Solution	8.5 to 9.0
Cast iron corrosion test	Passes

- **DILUTION RATIO**

1) Grinding	1 : 20
2) Drilling	1 : 15
3) Broaching	1 : 10
4) Boring	1 : 20
5) Tapping	1 : 10
6) Milling	1 : 25

- **HEALTH & SAFETY**

No Health or safety hazard.