

Product Data Sheet

HIPRO COOWELL CUTTING OIL

Enhanced Biocides Water Soluble Cutting Coolant

PRODUCT DESCRIPTION

COOWELL general purpose water soluble cutting fluids are manufactured from carefully selected **paraffinic base oils**, lubricity agents, corrosion inhibitors, emulsifiers and biocide. It is also specially formulated for application in machine shop cutting all type of **ferrous** and **non ferrous** metals. It has exceptional emulsion stability and anti-corrosion properties. Inhibited with biocides to reduce bacterial growth under normal condition and its low foaming makes **COOWELL** ideally suited as an economical long life coolant in central circulating systems. **COOWELL** in water gives a stable milky white emulsion at all temperature. It is also frequently used as a forming fluid in certain industries.

APPLICATION

Depending on the severity of the operation, the following general guidelines may be used:

Machining Operation	Recommended Dilution
Milling, Turning and Drilling	1:10 to 1:15
Rough Cutting	1:10 to 1:20
Grinding	1:20 to 1:30

The correct method of mixing is add the recommended amount of concentrate to clean water, stir thoroughly, and adds the mixture to the machine coolant system.

SPECIAL PROPERTIES

- Free from phenol, nitrite, chlorine, cresol and other harmful additives
- Low odor
- High emulsion stability, high microbiological resistance
- Emulsion provides excellent corrosion protection to both the machine tool surface and components being machines
- Having free of chlorine but selected additives which is suitable for **nonferrous** metals
- Working solutions have an extremely low odor of toxicity

CAUTION: Continuous contact with used oil has caused skin cancer in lab animals. Avoid prolonged skin contact. Avoid eye contact. Wash skin thoroughly with soap and water after handling. Flush eyes with water for 15 minutes in case of contact. If swallowed, do not induce vomiting. Contact a physician immediately. **KEEP OUT OF REACH OF CHILDREN.**

TYPICAL SPECIFICATION

Type	Mineral Oil
Density, g/ml	0.9100
Color, ASTM	3.50
pH of 5% dilution	8.90
Corrosion test IP 287	0 at 1.20
Emulsion stability IP 263	No oil at 1.25

** The above specifications are typical of current production, variation in these characteristics may occur, but will not affect the product performance.*

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