

MAK SHEROL E

Description

MAK Sherol E is mineral oil free, water-based synthetic coolant designed for general purpose grinding of ferrous metals. This product is formulated with special corrosion inhibitors and doesn't contain Chlorine, Phenol and Nitrite, making it environment friendly.

Application

MAK Sherol E is suitable to be used in all ferrous metal grinding applications, where a good surface finish is required.

Also finds use as a Quenching Medium in certain heat treatment process requiring an aqueous solution.

Benefits

- It forms clear emulsion and exhibits very good anti-corrosion properties.
- It sheds grinding debris readily, keeping the wheel exceptionally clean and free cutting, thus promoting high surface finish and improving grinding accuracy.
- Chlorine, Phenol and nitrite free for environmental compliance.
- At water to fluid ratios between 50 to 80:1, it has excellent cooling properties.
- Helps in minimizing residue formation.
- Provides clean work environment and machining.
- Provides good resistance against bacterial attack and provides long life.

Performance Level

- IS 11186: 1985 [Reaffirmed March, 2002]

Technical Specifications

Characteristics	Test method	MAK SHEROL E
Appearance	--	Blue
Specific gravity at 15.6°C	IS 1448 : P-32	1.07
pH of 2% solution with distilled water	-	9.2
Dilution test	IS 11186 Appendix B	Passes
Water, % by mass	IS 1448 : P-40	45
50:1 ratio, Frothing test with distilled water	IS 1448 : P-99	Passes
50:1 ratio, Cast Iron Corrosion test with distilled water	IS 11186 Appendix A	0/0-0

All the mentioned values are typical which may vary from batch to batch.

Storage and Handling

- Indoor Storage is always preferable
- Barrels should be kept horizontally with bunk position at 3 O'clock 9 O'clock position
- Barrels should be kept away from dusty or heated areas.
- During handling any contact with dust must be avoided

Health & Safety

This grade is not hazardous under normal conditions of use. For further guidance Material Safety Data Sheet (MSDS) may be referred.

Advice

For any further advice on applications or otherwise, please contact the nearest Bharat Petroleum territory office or Technical Services department at the address given below.

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