

MAK SHEROL SS

Description

MAK SHEROL SS is a high oil content inherently stable water mix cutting fluid. It produces a milky to semi translucent emulsion which depending on the water quality is low in odour and gives good corrosion protection to machines and components. It contains extreme pressure additives to provide excellent cutting performance.

Application

This soluble cutting oil is recommended for sawing, turning, milling, drilling and other chip forming operations.

Operations type	Suggested concentrations %
Difficult operations of materials	7-10
General machining	5-7
Grinding	3-5

Benefits

- Corrosion protection even above 400 ppm hard water
- Suitable for a wide range of ferrous alloys including high tensile steels, Aluminum alloys, yellow metal alloys, oil resistant polymers and composites
- Readily forms a milky, stable emulsion in a wide variety of water qualities. Avoid water with high chloride content (above 50 parts per million) & high calcium or magnesium contents (above 500 parts per million)
- Gives better EP Properties

Performance Level

- IS 1115: 1986 [Reaffirmed March, 2002]

Technical Specifications

Characteristics	ASTM	MAK SHEROL SS	
		Concentrate	Emulsion
Appearance	visual	Amber, fluid	Milky to semi translucent
Specific gravity at 15.6°C	D1298	0.99	--
PH at 5%	--	--	9.1
Corrosion test, % Bpt	IP 287	--	3.0
Defoam in 50 ppm water		--	Nil (30 seconds)

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.

Bharat Petroleum Corporation Ltd.

Product and Application Development Dept.
 BPCL 'A' Installation, Sewree Fort Road, Sewree (East)
 Mumbai -400015
 E-mail: MAKcustomercare2@bharatpetroleum.in
 Tel No.: 022-24176351