

# Product Data Sheet

## MAK TRIPONOL

Grade: B, C, D, H, R, HX & BR

**DESCRIPTION**  
 These are a range of active type, transparent, extreme pressure oils. These oils are not recommended for use on yellow metals to avoid staining.

**APPLICATIONS**  
 They are used for cutting operations on materials difficult to machine, particularly tough steels and are excellent for automatic lathes, screw cutting machines etc.  
 MAK TRIPONOL H is specialty oil for use in deep boring and gun drilling operations.  
 MAK TRIPONOL D gives better surface finish and improves gear cutting tool life. Its lower coefficient of static friction reduces the reluctance of grinding debris in form-grinding from being flushed of grinding surface.  
 MAK TRIPONOL R is specialized metal working oil for grinding of stainless steel strips. This oil ensures excellent surface finish without any staining.  
 TRIPONOL D is approved by M/s. TELCO in form grinding operation and gear generation of straight bevel gears.  
 MAK TRIPONOL BR is specialized oil for

**PERFORMANCE BENEFITS**

- Provide superior metal wetability
- Better cooling in severe operational conditions
- Contains active Sulphur to provide additional EP properties

**PERFORMANCE LEVEL**

- IS 3065 : 1985 [Reaffirmed March, 2002] (for MAK TRIPONOL C)
- MAK TRIPONOL B, D, H & R are proprietary grades

Characteristics	IS 1448	Typical Figures			
		B	C	D	H
Appearance	--	Clear fluid	Clear fluid	Clear fluid	Clear fluid
Density at 15°C	P:16	0.8798	0.8802	0.8914	0.8836
K.V at 40° C, cSt	P:25	24.4	35.2	31.44	13.46
Copper corrosion @ 100° C, for 3 hrs.	P:15	Staining (black)	Staining (black)	Staining (black)	Staining (black)
Flash Point, (PMCC), °C	P:69	166	166	196	150

# Product Data Sheet



Characteristics	IS 1448	Typical Figures		
		R	HX	BR
Appearance	--	Clear fluid	Clear fluid	Clear fluid
Density at 15°C	P:16	0.853	0.87	0.855
K.V at 40° C, cSt	P:25	12.5	18.73	14.95
Copper corrosion @ 100° C, for 3 hrs.	P:15	4a	Staining (black)	Staining (black)
Flash Point, (PMCC), °C	P:69	180	140 min.	180 min.

## Health and Safety

These oils are not hazardous under normal conditions of use. For further guidance appropriate Material Safety Data Sheet may be referred.

**Bharat Petroleum Corporation Ltd.**

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*Edition: R&D / Ind / 068 / Issue 1/Oct, 2008*