



## GANESH BENZOPLAST LTD.

### CONS (GL 1341)

#### CUTTING OIL ADDITIVE

#### TECHNICAL DATA SHEET

#### INTRODUCTION

CONS is Soluble Cutting Oil Additive. It is a brown color, naphthenic or paraffinic oil soluble, biostable semi-synthetic product particularly recommended for all machining operations.

#### FORMULATIONS

Recommended at:

12% to 22% by weight

In either naphthenic or paraffinic base oils. Satisfactory emulsions can be formulated at 5:1 to 100:1 water to oil ratio Meeting the requirements of Soluble Cutting Oil, IS : 1115.

#### TYPICAL PROPERTIES

Physical Characteristics:

Density @ 29.5°C	1.01
Viscosity @ 100°C, cSt	42.1
Viscosity index	105



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#### SPECIFICATION SHEET

Sr. No.	Name of the Test	Test Method	Limits
01	Appearance	Visual	Bright & Clear
02	ASTM Color	Visual	Reddish brown
03	Density @ 29.5°C	ASTM-D-1243	0.95-1.15
04	Acid value mg KOH/gm	IP-1	18-25
05	Cold test @ -5°C	Internal	No separation
06	20% CONS mix with % w/w naphthenic oil & perform following cutting oil tests	Paraffin's IS-1116	
	Pour Point	ASTM D 97	-1 TO -6
	Viscosity @ 100°C, cSt	ASTM-D-445	40 to 50
i)	PH 5% V/V in D. water	Internal	8.5-9.5
ii)	5% Emulsion in 800 ppm H. Water		No separation
iii)	Cl %		Nil
iv)	Thermal stability @ 45°C	Internal	No separation
v)	Copper corrosion test @ 100°C		1 max
vi)	Cast iron corrosion test		0/0-1