



LUBYSIL BCS V345

Technical Data

HIGH LUBRICITY VEGETABLE OIL BASED LONG-LIFE METALWORKING COOLANT

DESCRIPTION

LUBYSIL BCS V345 is a metalworking coolant based on vegetable oil technology with high performance lubricity and antiwear properties designed to give superior component surface finish, with extended tooling and grinding wheel life. The product is completely mineral oil free and uses renewable refined vegetable base oils.

LUBYSIL BCS V345 offers excellent Health & Safety and Environmental profile

LUBYSIL BCS V345 is free from boron, secondary amines, phenolic emulsifiers and chlorinated EP additives.

APPLICATION

The high performance of **LUBYSIL BCS V345** is ideal for machining a wide range of materials including high alloy steels, nickel and titanium alloys.

LUBYSIL BCS V345 is specifically designed with low foaming and low air entrainment properties for high-pressure coolant systems associated with modern machining and grinding operations.

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LUBYSIL BCS V345 Cont/d.

RECOMMENDATION FOR USE

Medium duty machining	4% - 6%
Heavy duty machining	5% - 10%
Heavy duty grinding	5% - 10%

TYPICAL PHYSICAL PROPERTIES

Test	Typical Value	Test Method
Neat Concentrate		
Appearance	Hazy amber oil	HI
Specific Gravity @ 15.5°C	0.96	ASTM D1298
Emulsion at 5%		
Appearance	Milky White	HI
pH in Use	8.6 – 9.2	HI

ADVANTAGES

- . Excellent lubricity and anti-wear properties
- . Rich milky emulsion
- . Formulated with renewable vegetable base oil
- . Free from chlorine, mineral oil phenolic emulsifiers and boron
- . Low foam and air entertainment
- . No sticky residues
- . Long sump-life
- . Resistant to oxidation and lacquer formulation
- . Very safe to use

STORAGE

Metal working coolants should be stored indoors in clean dry conditions. Protect frost. Recommended for storage temperature is between 5°C and 35°C. Tops should be replaced on all containers when not in use. Use stock in delivery rotation. As with all metal working coolants, a shelf life of 6 months can be anticipated.

WATER COMPOSITION

BCS V 345 is not recommended for use in water above 300 ppm CaCO₃ hardness

