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Viscol cc
Reg No: 1987/028096/23
Vat Reg: 4380103046

P.O Box 71382, Centurion, 0046
130 Sarelbaard Crescent
Gateway Industrial Park
Rooihuiskraal

Tel: (012) 661 9888
Fax: (012) 661 9882
E-mail: viscol@iafrica.com
Website: www.viscol.co.za

SUBJECT: OIL SPECIFICATIONS

ENVIRONMENTAL & QUALITY MANUAL
(in accordance with ISO 9001 & 14001)

SSB EP

Description

SSB EP is an extreme pressure, general purpose, water extendible cutting fluid developed to eliminate many problems experienced in the metal machining industry. This product is free from sodium nitrite and phenols.

Directions for use

SSB EP may be considered for use on steels, cast iron and yellow metals and will provide protection for stored and semi-finished components against corrosion.

Applications Guide:

Recommended dilution rates:

- Automatic machines 3.0%
- Turning 3.0%
- Milling 4.0%
- Drilling 5.0%
- Sawing 5.0%
- Broaching 5.0%
- Thread Cutting 5.0%

Percentage %	Refractometer Reading
2 %	1.6
2.5 %	2.0
3 %	2.2
4 %	3.0
5 %	3.6
6 %	4.2

Routine concentration checks along with proper makeup are essential to good fluid management. It is recommended the concentration levels are evaluated with a refractometer.

Physical Data

Appearance Blue fluid
Density @ 20°C g/ml 1.0
pH Value @ 5% 9.4
Odour slight amine
Mineral Oil Content 25.0%
Min. Corrosion limit (IP 287) 2.5%

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Overview

SSB EP has been formulated for those applications where conventional soluble oils do not give the required levels of performance. Due to the highly concentrated additive structure, this product should only be used in applications where optimum performance is required.

This product contains chlorinated paraffin as an extreme pressure option to meet the requirements for increased tolerances and surface finishes, ensuring a long service life when compared to conventional products.

This product has a clear, blue, translucent emulsion. Always add the product to water while agitating at the recommended concentration level to produce a clear, stable, working emulsion.

Maintaining the recommended concentration range for your metalworking fluid will improve the overall performance of the operation, improve productivity, extend fluid life, reduce disposal costs, and improve overall operator satisfaction.

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Experienced personnel from our Technical Division are available for discussion on all aspects. Recommendations are given in good faith but without warranty. It is the user's responsibility to determine the suitability for his/her own use.

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