



PSO Solcut Oil is formulated with carefully selected highly refined base oils and a combination of balanced mixture of emulsifier chemistries with biocide to offer advanced lubricity to machining operations by the metal-working fluid. The oil has good reserved alkalinity and low-to-medium foaming tendency.

Benefits

- Stable homogeneous milky solution to provide cooling and lubrication of the material at the cutting zone.
- Permits rapid separation of chips and grinding dirt.
- Well-matched emulsion ensuring constant fluid flow to maintain effective lubricity.
- Forms stable emulsion in soft and hard water.
- Longer emulsion life due to better bacterial control.
- Low-to-moderate foaming tendency.

Applications

- Specially formulated for the particular requirements of mild and moderate machining operations where excessive heat is dissipated by an effective coolant with extra lubricity.
- Suitable for light machining such as drilling, planning, milling in soft and normal water conditions.
- Recommended for most grinding operations where a clean emulsion is required to rapidly settle out the grinding, metal fines.

Typical Characteristics*

PROPERTIES	METHODS	TYPICAL RESULTS
Density @ 15 °C, kg/L	ASTM D-4052	0.8847
K. Viscosity @ 40°C, cSt	ASTM D-445	35.30
Emulsion Stability, 24-hrs, 5% in Water	IP-263	Stable
Viscosity Index	ASTM D-2270	111
Flash Point (COC), °C	ASTM D-92	168
Pour Point, °C	ASTM D-97	-6

*These typical characteristics mentioned are based on current mean values.

Based on available information, this product does not contain any component that may produce any significant hazard to health when used for the recommended application. Guidelines for health and safety are available in Material Safety Data Sheet of the product. Dispose of used oil, containers, cartons labels in an environment friendly manner. Do not discharge used oil into drain, soil or water. Advice on application not covered in this leaflet, may be obtained from lubricants.technical@psopk.com