



PSO Solcut Oil, a meticulous blend featuring highly refined base oils and a precisely balanced mixture of emulsifier chemistries with biocide. This formulation offers advanced lubricity to machining operations. With good reserved alkalinity and a low-to-medium foaming tendency, PSO Solcut Oil promises a superior performance.

Benefits

- Ensures a stable and homogeneous milky solution, providing effective cooling and lubrication at the cutting zone.
- Facilitates rapid separation of chips and grinding dirt for cleaner operations.
- Maintains constant fluid flow with a well-matched emulsion, ensuring consistent lubricity.
- Forms a stable emulsion in both soft and hard water.
- Longer emulsion life achieved through enhanced bacterial control.
- Exhibits a low-to-moderate foaming tendency for smoother operations.

Applications

- Formulated specifically to meet the demands of mild and moderate machining operations, where excessive heat is dissipated by an effective coolant with extra lubricity.
- Suitable for light machining tasks such as drilling, planing, and milling in soft and normal water conditions.
- Recommended for most grinding operations, ensuring a clean emulsion that rapidly settles out the grinding metal fines.

Typical Characteristics*

PROPERTIES	METHODS	TYPICAL RESULTS
Density @ 15°C, kg/L	ASTM D-4052	0.8840
K. Viscosity @ 40°C, cSt	ASTM D-445	34.1
Emulsion Stability, 24h, 5% in Water	IP-263	Stable
Viscosity Index	ASTM D-2270	111
Flash Point (COC), °C	ASTM D-92	152
Pour Point, °C	ASTM D-97	-3

*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