



SPO SOLUBLE CUTTING OIL

PRODUCT DESCRIPTION:

SPO Soluble Cutting Oil is designed to help offer long service life, have low maintenance requirements and be suitable for a wide range of materials and operations. Offering the right balance between cooling and lubricity, Venom Soluble Oils aims to deliver excellent tool life and surface finish, which can help reduce tool regrinding and component rejects.

APPLICATION:

From boring, milling and tapping on a range of alloy and carbon steels to drilling, reaming and grinding on low carbon and alloy steels and nonferrous metals, SPO Soluble Cutting Oil can be used equally in individual machine tools or in centralized systems.

FEATURES & BENEFITS:

Low maintenance and easy use help lift machining productivity. Offering a long service life, Venom Soluble Oil Series can help minimize waste and enhance machine tool availability - especially at critical times. The products are easy to mix and monitor, offering low maintenance costs and showing outstanding residual corrosion production without undesirable residues. Low foaming tendencies, even under high-pressure conditions, can help provide trouble-free operation for modern machining operations.

TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	OPTIMUS SOLUBLE CUTTING OIL
Grade			46
Kinematic Viscosity @ 104°F /40°C	ASTM D-7042	cSt	46
Corrosion	IP-125	-	0/1-1
Color	ASTM D-1500	-	3.5
Density @15°C/60°F	ASTM D-4052	g/cm ³	TBR
Emulsion Stability (440 ppm) - Oil	IP-263	ml	NIL
Emulsion Stability (440 ppm) - Cream	IP-263	ml	NIL
Rust Prevention Breakpoint	IP-287	-	20:1
pH of Emulsion (20:1)	ASTM D-1287	-	9.3

DISCLAIMER:

The test data mentioned above is not a definitive specification but serves as an indication and may fluctuate within acceptable production tolerances. Venom retains the right to alter this test data. Any updated information will replace previous versions, so please consult the latest Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:

Extended and repeated exposure to oil can lead to skin conditions. Please avoid contact. If you do come into contact with oil, wash the affected area immediately with soap and water. Do not dispose of used oil down drains or into the environment; instead, take it to an authorized used oil collection point.

HEALTH & SAFETY:

This product is unlikely to pose significant health or safety risks when used properly in the recommended application and with good personal hygiene practices. For more information, please refer to the Safety Data Sheet (SDS), which is available upon request from your local sales office.

PROTECT THE ENVIRONMENT:

Please take used oil to an authorized collection point and adhere to local regulations. Do not discharge it into drains, soil, or water.

STORAGE:

We recommend storing all packages in a covered area. If outdoor storage is necessary, drums should be positioned horizontally to prevent water ingress and protect the markings. Products should never be stored above 60°C or exposed to direct sunlight or freezing temperatures.