



## OPTIMUS SOLUBLE CUTTING OIL

### PRODUCT DESCRIPTION:

Optimus 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, Lubrex 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, Optimus 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, Lubrex 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
SP. Gravity@15°C/60°F	ASTM D-4052	g/cm <sup>3</sup>	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 provided above is not a specification but is indicative and may vary within permissible production tolerances. Lubrex reserves the right to modify this test data. Updated information will supersede previous versions, so please refer to the latest version of this Technical Data Sheet (TDS).

### HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further information on Safety Guidelines please refer to MSDS available on our website [www.lubrex.net](http://www.lubrex.net)

### HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet [www.lubrex.net](http://www.lubrex.net)

### PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

### STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

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