



## OPTIMUS QUENCHING OIL

### PRODUCT DESCRIPTION:

Optimus Quenching Oil is a highly refined paraffinic based quenching oil for the uniform hardening of carbon and alloy steels. The low viscosity of Optimus Quenching Oil enables fast oil circulation during heat transfer, providing rapid quenching, and reduced drag-out and fast draining, minimizing oil losses during operation

### APPLICATION:

- Heat treating applications involving quenching or rapid cooling of carbon and alloy steels.
- Heat treatment processes where a uniform hardening of steel with minimum distortion and coloration is desired
- Slow quenching operations at bath temperatures between 30°C and 65°C where maximum hardness is not required

### FEATURES & BENEFITS:

Base oils of inherently high thermal and oxidation resistance in this oil provides maximum oil life. It maximizes production throughput. High thermal stability minimizes oil cracking and the formation of deposits on metal surfaces, limiting the need for post-quenching cleaning and stain removal operations.

### TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	Optimus Quenching Oil
ISO VG Grade			46
Kinematic Viscosity @ 104°F /40°C	ASTM D-7042	cSt	46
Viscosity Index	ASTM D-2270		95
Flash Point (min)	ASTM D-92	°C	>204
Pour Point	ASTM D-97	°C	-12
Color	ASTM D-1500	Visual	Pale

### 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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