



EMIRATES 1 QUENCHING & RUSTOIL FLUIDS (Premium Quality Quenching & Corrosion Fluids)

DESCRIPTION

EMIRATES 1 QUENCHING FLUIDS are a series of premium quality oils designed especially for use as heat-treating fluids. It consists of two grades: one medium-viscosity, dual-purpose oil for both conventional quenching and marquenching; and one high-viscosity oil specifically for mar quenching. Both grades are made with highly refined base oil fortified with special additives to meet the exacting requirements of heat-treating oils.

EMIRATES 1 QUENCHOL 32 is a medium-viscosity, dual-purpose oil designed for both conventional quenching and marquenching. It has exceptional oxidation stability, and therefore does not require replacement as frequently as conventional oils. In addition, it will leave fewer residues on quenched parts.

EMIRATES 1 QUENCHOL 100 is a high viscosity, long-life oil designed especially for marquenching. It has the high flash point required in high temperature protected-atmosphere systems and it has the excellent oxidation stability required in unprotected systems (exposed to atmosphere).

EMIRATES 1 RUSTOIL FLUIDS are designed to protect parts from the risks of corrosion during storage and transportation. They can be applied to all ferrous metals, from cast iron to alloyed steels. **EMIRATES 1 PROTECTION FLUID** constitutes wide range of products in accordance with the required properties of the protective film;

i) Nature and thickness of the film: oil based, waxy or solvented

ii) Resistance over time: inter-operations protection with water-repellent effect or a longer-lasting protection.

APPLICATIONS

EMIRATES 1 QUENCHOL 32 is a dual-purpose oil designed for both conventional quenching and marquenching. It can be used in open quenching systems where operating temperatures are as high as 93°C and in closed systems in which temperatures are as high as 150°C. **EMIRATES 1 QUENCHOL 100** is designed especially for marquenching. It is recommended for protected-atmosphere systems where temperatures are as high as 190°C and unprotected systems (exposed to atmosphere) with quench bath temperatures up to 135°C.

EMIRATES 1 RUSTOIL FLUID can be applied by dipping spray and brush application. They can be removed with the aid of solvents and alkali cleaners. Corrosion preventive oil specifically developed to present: superior water displacement capability, medium-term protection & good lubricity performance.

TYPICAL TECHNICAL PROPERTIES

EMIRATES 1	QUENCHING FLUIDS		RUSTOIL FLUID
Kinematic Viscosity at 40°C, mm ² /s, ASTM D445	32	100	32
Flash Point(COC), °C, ASTM D92	200	238	206

*C & B: Clear & Bright

Note: The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice. For additional queries, please contact Emirates 1 Technical Service Department.

Health and Safety: Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS). Safety Data Sheets available on request.

Available in: Cartons: 12x 1 L, 24x1 L, 4x5L 6 x 4 L, 6 x 5 L, Pails: 20 L & 25 L, Drums: 200 L, 208 L