

## SP-KS-022 / ERYAK LS EXTRA (LUBRICITY IMPROVER)

### DESCRIPTION

ERYAK LS EXTRA is lubricity improver for low sulfur fuels. With the recent IMO regulations in Emission Control Areas it is forbidden to use fuels has sulphur more than 0,5%. Sulphur in the fuel works as a lubricant and prevents moving machine parts to wear out. The fuel contains 0,5% sulphur does not provide sufficient protection for engine parts. This will cause wear of fuel pumps, valves and injector nozzles. ERYAK LS EXTRA increases the lubricity in the low sulfur fuels without increasing the percentage of sulphur in the fuel and protects engine from above dangers, more over with corrosion inhibitors inside, it protects engine from corrosion and lengthen its useful life.

Product Name	:	ERYAK LS EXTRA (LUBRICITY IMPROVER)
Document No	:	SP-KS-022
Chemical Name	:	Chemical Mixture
Usage	:	Fuel oils

### A. ORGANIC PROPERTIES

#### Appearance

Physical Status (20°C)	:	Liquid
Color	:	Yellowish
Odor	:	Solvent

### B. PHYSICAL PROPERTIES

pH (in conc)	:	-
Molecular Weight	:	-
Flash Point	:	Over 54°C
Density	:	0.85-0.95 gr/cm <sup>3</sup>
Solubility in Fuel Oil	:	Completely

### APPLICATION, FEATURES & BENEFITS

- Adds lubricity specialties to Marine fuels.
- Avoids wear outs over metal surfaces.
- Reduces injector deposits
- Protects engine parts against corrosion
- Can be used together with other fuel additives.

### STORAGE INFORMATION

Store at moderate temperatures. Packing: 25-30-210 L. sealed cans and barrels. Storage Period: 3 years.

## **DIRECTIONS FOR USE/ APPLICATION RATES AND DOSAGE RATES**

The dosage for ERYAK LS EXTRA is: 1 L for 10-20 tons of IFO 180 and IFO 380 1 L for 15-25 tons of Marine Gas Oils and Marine Diesel Oils. There is no need to add ERYAK LS EXTRA for Fuels has more than 2% Sulphur. The best way to dosage ERYAK LS EXTRA is to connect a dosage pump to the fuel pipe line and do the dosage during fuel refilling.