

<b>CARGO INFORMATION SCHEME</b>			
<b>Chemical name</b>	Lubrizol additive int. 128.88	Last update	07/29/97
Common names		UN number	
Chemical formular		MFAG number	
Chemical family		MARPOL Annex	II
Colour	Brown	Annex II pollution cat.	B
Odour	Very unpleasant	IMO Ships type	
Own reaction		Density @ 15°C	1.058
Reaction with water		Correction factor/°C	0.000638
Reaction other		Petroleum tables used	
Solubility with water		Melting point °C	
Compatibility number		Boiling point °C	
Separate from no. (USCG)		Flash point °C	
Type of toxic test tubes		Auto-ignition point °C	
Toxicity in case of fire		Viscosity	High
Fire extinguishing agent		Odour limit ppm	
Special fire procedure		Explos. limits Vol %	
Spill or leak procedure		Vapour press kPa/20	
		Vapour dens.rel to air	
<b>SAFETY AND FIRST AID INFORMATION</b>			
Main hazard		Health risk	
Symptoms if exposed		TLV ppm	
Personal protection aid		Is it a cancer agent	
		Is antidote available	
<b>First aid</b>			
Eye contact			
Skin contact	Aggressive		
Inhalation	Can result in water in lungs		
Ingestion			
<b>CARGO HANDLING</b>			
Coating requirements		Voyage temp. °C	50-65
Wall wash tests		Discharge temp. °C	65
Previous cargo(es)		Preheating of tanks	
Fresh water flush		Cirkulation on voyage	
Demiwater flush		Inhibitor certificate	
Condition prior to loading		Sweeping after disch.	***
Remarks		Heat adjacent	
Remarks	Recommended, but it is very dangerous to work in the tanks when temperature is high. Use full BA-protection		

<b>TANKCLEANING - after discharge</b>	
Prewash ( not marpol )	
Ordinary bw wash	Hot water temperature max
Recirculation	
Steaming	
Removal of rob	High pressure cleaner
Hand hosing/high press	
Chemicals for washing	Recirculation with baseoil/gasoil/spindeloil
<b>SPECIAL INSTRUCTIONS</b>	
Tanks to be ventilated prior to crews entrance. The product is difficult to heat wherefore heating should be started immediately after loading. During discharging the cargo is to be kept hot. Do not start with steam until one of the above listed products is added.	