

CARGO INFORMATION SCHEME			
Chemical name	M.T.B.E.	Last update	04/21/99
Common names	Methyl Tertiary Butyl Ether	UN number	2398
Chemical formular	(CH ₃) ₃ COCH ₃	MFAG number	330
Chemical family	Alkyl ethers	MARPOL Annex	II
Colour	Clear, colorless	Annex II pollution cat.	D
Odour	Very strong	IMO Ships type	non-imo
Own reaction	Generally stable	Density @ 15°C	0.7446
Reaction with water	None	Correction factor/°C	
Reaction other	Reacts with organic acids and oxidizer	Petroleum tables used	
Solubility with water	Complete	Melting point °C	-109
Compatibility number	41	Boiling point °C	55
Separate from no. (USCG)	2,3 also 1	Flash point °C	21
Type of toxic test tubes		Auto-ignition point °C	
Toxicity in case of fire	No	Viscosity	
Fire extinguishing agent	Alcohol foam, dry chemicals, CO ₂	Odour limit ppm	Unavailable
Special fire procedure	Cool exposed tanks with water spray	Explos. limits Vol %	1.6~8.4
		Vapour press kPa/20	
Spill or leak procedure	Remove spill with inert absorbent. Use goggles, boots and BA-set.	Vapour dens.rel to air=1	3.10
SAFETY AND FIRST AID INFORMATION			
Main hazard	Non too toxic, similar to gasoline	Health risk	Moderate
Symptoms if exposed	Irritates eyes, skin, coughing, shortness of breath, dizziness, intoxication	TLV ppm	0.25
Personal protection aid	Filter mask is preferable	Is it a cancer agent	Yes
		Is antidote available	
First aid			
Eye contact	Flush with water at least 15 min, hold eyelids open		
Skin contact	Wash with soap and water		
Inhalation	Remove to fresh air, give oxygene or artificial respiration as needed		
Ingestion	Do not induce vomiting. Drink 500ml milk		
CARGO HANDLING			
Coating requirements	SS, Epoxy, Zink	Voyage temp. °C	Ambient
Wall wash tests		Discharge temp. °C	
Previous cargo(es)		Preheating of tanks	No

Fresh water flush	Yes	Cirkulation on voyage	No
Demiwater flush		Inhibitor certificate	
Condition prior to loading	Clean and dry	Sweeping after disch.	No
Remarks		Heat adjacent	
Remarks			
TANKCLEANING – after discharge			
Prewash (not marpol)	Cold water for about 30-60 min		
Ordinary bw wash	Hot water for abt 30-60 min		
Recirculation			
Steaming			
Removal of rob			
Hand hosing/high press			
Chemicals for washing			
SPECIAL INSTRUCTIONS			
It is recommended not to go down in the tanks before washing with hot water is finished. Plastic gloves and boots and or other synthetic materials.			