

## CARGO INFORMATION SCHEME

Chemical name	Benzene	Last update	juni, 1999
Common names	Bensol	UN number	1114
Chemical formular	C6H6	MFAG number	312
Chemical family	Aromatic hydrocarbon, Benzene	MARPOL Annex	II
Colour	Clear	Annex II pollution cat.	C
Odour	Aromatic, pleasent. Sweet	IMO Ships type	3
Own reaction	Stable under normal conditions	Density @ 15°C	0,8840
Reaction with water	None	Correction factor/°C	0,00100
Reaction other	Reacts with oxidizing agents like nitric acid, Rubber	Petroleum tables used	
Solubility with water	No	Melting point °C	6
Compatibility number	32	Boiling point °C	80
Separate from no. (USCG)	3	Flash point °C	-11
Type of toxic test tubes	Benzene	Auto-ignition point °C	580
Toxicity in case of fire	Yes, Toxic vapours	Viscosity	
Fire extinguishing agent	CO <sub>2</sub> dry chemical powder, foam, water fog	Odour limit ppm	4,68
Special fire procedure	Fire party must wear scuba or rubber boots, explosion hazardous is very big. Extreemly flammable, fight like a gasoline fire.	Explos. limits Vol %	1,3-8,0
Spill or leak procedure	Wear protective clothing and breathing appartus. Contain spill and use absorbent.	Vapour press kPa/20	10,1
		Vapour dens.rel to air	2,8

### SAFETY AND FIRST AID INFORMATION

Main hazard	Fire and toxic vapours	Health risk	High
Symptoms if exposed	Dizziness, headeache and drowsiness	TLV ppm	5-10
Personal protection aid	Gloves, goggles, protective clothing. Filtermask with A-filter or breathing appartus	Is it a cancer agent	YES
		Is antidote available	No

#### First aid

Eye contact	Rinse eye with water for 15 min
Skin contact	Wash skin with plenty of water and soap
Inhalation	Remove to fresh air, if breathing stops - apply articial resp. and oxygen. Get medical advice.
Ingestion	Do not induce vomitting. Give milk to drink. Get medical advice.

### CARGO HANDLING

Coating requirements	Stainless steel, epoxy, zink	Voyage temp. °C	min. 15
Wall wash tests	No	Discharge temp. °C	min. 15
Previous cargo(es)		Preheating of tanks	No
Fresh water flush	Yes	Cirkulation on voyage	No

Demiwater flush	Not required	Inhibitor certificate	No
Condition prior to loading	Clean and dry	Sweeping after disch.	No
Remarks		Heat adjacent	Yes
Remarks			
<b>TANKCLEANING - after discharge</b>			
Prewash ( not marpol )			
Ordinary bw wash	Warm wash 1 hour abt. 50-60°C		
Recirculation	No		
Steaming	Yes, recommended in order to remove odour and get tanks below the TLV-limit		
Removal of rob			
Hand hosing/high press			
Chemicals for washing			
<b>SPECIAL INSTRUCTIONS</b>			