

CARGO INFORMATION SCHEME

Chemical name	N-Butanol	Last update	juli, 1998
Common names	N-Butyl Alcohol	UN number	1120
Chemical formular	CH ₃ (CH ₂) ₃ OH	MFAG number	305
Chemical family	Alcohol	MARPOL Annex	II
Colour	Colourless	Annex II pollution cat.	App III
Odour	Alcohol	IMO Ships type	3
Own reaction	Stable	Density @ 15°C	0.8095
Reaction with water	None	Correction factor/°C	0.00075
Reaction other	Aluminium	Petroleum tables used	
Solubility with water	Moderate	Melting point °C	
Compatibility number	20	Boiling point °C	117
Separate from no. (USCG)		Flash point °C	34
Type of toxic test tubes	Alcohol 25/a	Auto-ignition point °C	380
Toxicity in case of fire		Viscosity	
Fire extinguishing agent	Dry chemical, CO ₂ , foam, water fog	Odour limit ppm	25
Special fire procedure	Water and alcohol foam may be ineffective on fire	Explos. limits Vol %	1,5-9,4
Spill or leak procedure	Protective clothing, filtermask, secure ignition sources.	Vapour press kPa/20	0,6
		Vapour dens.rel to air	2.6

SAFETY AND FIRST AID INFORMATION

Main hazard	Ingestion	Health risk	Low
Symptoms if exposed	Headeache, dizziness and respiratory irritation	TLV ppm	50
Personal protection aid	Filtermask	Is it a cancer agent	No
		Is antidote available	No

First aid

Eye contact	Flush with water
Skin contact	Remove contaminated clothing, flush with water
Inhalation	Remove victim to fresh air, if breathing stops, apply artificial respiration.
Ingestion	

CARGO HANDLING

Coating requirements		Voyage temp. °C	
Wall wash tests	w/w standard	Discharge temp. °C	
Previous cargo(es)		Preheating of tanks	
Fresh water flush	Yes	Cirkulation on voyage	
Demiwater flush		Inhibitor certificate	
Condition prior to loading	Clean and dry	Sweeping after disch.	
Remarks		Heat adjacent	
Remarks			

TANKCLEANING - after discharge

Prewash (not marpol)	
Ordinary bw wash	Yes, 30 min cold wash then 1 hrs hot wash
Recirculation	
Steaming	
Removal of rob	
Hand hosing/high press	
Chemicals for washing	
SPECIAL INSTRUCTIONS	