

SAFETY DATA SHEET

1 Identification of the substance or preparation and of the company/undertaking

1.1 Product identifier

Product Name: P ALKALINITY INDICATOR MPA1X2
Datasheet Number: 777124 3. 0. 0
Product Part Number: 777124
Part of: MO380-Boiler test kit/MO246A-Motor ship test kit/MO248A-Nitrite test kit/MO250-Alkalinity
Head Office: Wilhelmsen Ships Service AS
Address: Strandveien 20, N1324 Lysaker, Norway, Tel:(+47) 67 58 45 50

1.2 Relevant identified uses of the substance or mixture and uses advised against

Reagent

1.3 Details of the supplier of the safety data sheet

Name of Supplier: For quotations contact your local Customer Services
Address of Supplier: Wilhelmsen Ships Service AS
Willem Barentszstraat 50
3165AB Rotterdam
+31 4877 888
The Netherlands
Telephone: +31 4877 777
Fax:
Responsible Person: , Product HSE Manager, Tel.: +31 10 4877775
Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com

1.4 Emergency telephone number

-ONLY TO BE USED IN CASE OF AN INCIDENT-
NCEC: +44 1865 407333, CHEMTREC (800) 424 9300
American Chemistry Council +1 703 527 3887,
Greece +30 210 7793777
Australia: +61 3 9630 0998
Giftinformasjonssentralen in Norway Tel.: +47 22591300

2 Hazards identification

2.1 Classification of the substance or mixture

- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Flam. Liq. 2
-
- May cause cancer.
- Highly flammable liquid and vapour.
-
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Refer to current The Dangerous Substances Directive (67/548/EEC)
-
- May cause cancer (R45)

2 Hazards identification (....)

- Highly Flammable (R11)

2.2 Label elements



- Signal Word: Danger
- Contains:
- Ethanol
- Methanol
- phenolphthalein

Hazard phrases

- Highly flammable liquid and vapour.
- May cause cancer.

Precautionary Phrases

- Do not handle until all safety precautions have been read and understood.
- IF exposed or concerned: Get medical advice/attention.
- Take precautionary measures against static discharge.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Use personal protective equipment as required.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- In case of fire: use alcohol resistant foam for extinction

Risk Phrases

- May cause cancer (R45)
- Highly Flammable (R11)

Safety Phrases

- Wear suitable protective clothing and gloves (S36/37)
- In case of insufficient ventilation, wear suitable respiratory equipment (S38)
- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)
- Avoid exposure - obtain special instructions before use (S53)

2.3 Other hazards

- Odour: Alcohol odour
- Appearance: Liquid, colourless, soluble in water
- Contact with eyes: May cause redness and irritation
- Contact with skin: May cause redness and irritation
- Inhalation: May cause shortness of breath
- Ingestion: May cause severe irritation, May cause nausea/vomiting

3 Composition/information on ingredients

3.1 Mixtures

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Ethanol	60-80%	64-17-5	200-578-6	R11	F

3 Composition/information on ingredients (....)

CLP classification: Flam. Liq. 2				H225	GHS02
Methanol	1-5%	67-56-1	200-659-6	R11, 23/24/25 R39/23/24/25	F, T
CLP classification: Flam. Liq. 2, Acute Tox. 3 STOT SE 1				H225, H331, H311, H301, H370	GHS02, GHS06 GHS08
phenolphthalein	<1%	77-09-8	201-004-7	R45, 62, 68	T
CLP classification: Carc. 1B, Muta. 2 Repr. 2				H350, H341 H361	GHS08

*See Section 16

4 First aid measures

4.1 Description of first aid measures

- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- When in doubt or symptoms persist, seek medical attention
-
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- When in doubt or symptoms persist, seek medical attention
-
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- Give plenty of water to drink
- When in doubt or symptoms persist, seek medical attention
-
- IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
- When in doubt or symptoms persist, seek medical attention

4.2 Most important symptoms and effects, both acute and delayed

- Possible redness and irritation of affected areas
- The ingestion of significant quantities may cause dry throat
- The ingestion of significant quantities may cause nausea/vomiting
- In cases of severe exposure, dry throat may develop

4.3 Indication of immediate medical attention and special treatment needed

-

5 Fire-fighting measures

5.1 Extinguishing media

- In case of fire: use water, alcohol resistant foam or dry agent for extinction

5 Fire-fighting measures (....)

5.2 Special hazards arising from the substance or mixture

- Highly flammable liquid and vapour.
- Smoke from fires is toxic. Take precautions to protect personnel from exposure
- See Section 10

5.3 Advice for firefighters

- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
 - Wear chemical protection suit and positive-pressure breathing apparatus
-

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8
- Use non-sparking handtools
- Vapours may ignite
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback

6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses
- Do not flush spilt material into any public water system

6.3 Methods and material for containment and cleaning up

- Absorb spillage in earth or sand
- Collect spillage.
- Place in appropriate container
- Seal containers and label them
- Remove contaminated material to safe location for subsequent disposal
- Ventilate the area and wash spill site after material pick-up is complete

6.4 Reference to other sections

- None
-

7 Handling and storage

7.1 Precautions for safe handling

- Eyewash bottles should be available
- Ensure adequate ventilation
- Take precautionary measures against static discharge.
- See Section 8

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place
- Keep only in original container.
- Keep away from open flames, hot surfaces and sources of ignition.

7.3 Specific end use(s)

- Restricted to professional users
-

8 Exposure controls/personal protection

8 Exposure controls/personal protection (....)

8.1 Control parameters

- Ethanol
TLV (TWA) 950 mg/m³ (CAS:64-17-5)
- Methanol
TLV (TWA) 130 mg/m³ (CAS 67-56-1)

8.2 Exposure controls

- Ensure adequate ventilation

Occupational exposure controls

- Take precautionary measures against static discharge.
- In case of inadequate ventilation wear respiratory protection.
- Wear suitable respiratory protection. Gas cartridge (organic substances).
- Wear neoprene or nitrile gloves
- Wear goggles giving complete eye protection



Gloves

Goggles

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Alcohol odour
- Appearance: Liquid, colourless
- Boiling point >35 °C
- Completely soluble in water
- Flash point 12 deg C (CC)

9.2 Other information

- None
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10 Stability and reactivity

10.1 Reactivity

- This article is considered stable under normal conditions

10.2 Chemical stability

- This article is considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Keep away from heat and sources of ignition
- Keep away from naked flames, incandescent or hot surfaces

10.5 Incompatible materials

- Incompatible with strong oxidizing substances
-

10 Stability and reactivity (....)

10.6 Hazardous Decomposition Products

- Decomposition products may include carbon dioxide
-

11 Toxicological information

11.1 Information on toxicological effects

- No information available

Inhalation

- In cases of severe exposure, severe irritation may develop

Contact with skin

- May cause redness and irritation

Contact with eyes

- May cause redness and irritation

Ingestion

- May cause irritation
 - In cases of severe exposure, dry throat may develop
 - May cause nausea/vomiting
-

12 Ecological information

12.1 Toxicity

- This product does not contain ingredients which are classified in the EU as dangerous for the environment.
- No information available

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulation Potential

- No information available

12.4 Mobility in soil

- No information available

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- No information available
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13 Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
 - Dispose of this material and its container at hazardous or special waste collection point (S56)
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13 Disposal considerations (....)

Classification

- EU Waste class: 16-05-6
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14 Transport information



Flammable Liquid

14.1 UN Number

- UN1987

14.2 UN Proper Shipping Name

- ALCOHOLS, N.O.S. (ETHANOL; METHANOL)

14.3 Transport hazard class(es)

- 3

14.4 Packing group

- II

14.5 Environmental hazards

- Presents no hazard to the environment

14.6 Special precautions for user

- When supplied as part of a kit: The kit may be transported under classification UN3316 CHEMICAL KIT

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable

Other information

Road/Rail (ADR/RID)

Proper Shipping Name:	ALCOHOLS, N.O.S. (ETHANOL; METHANOL)		
ADR UN No.:	UN1987	ADR Hazard Class:	3
ADR Packing Group:	II	ADR subrisk:	-
ADR Flashpoint:	12C		

Sea (IMDG)

Proper Shipping Name:	ALCOHOLS, N.O.S. (ETHANOL; METHANOL)		
IMDG UN No.:	UN1987	IMDG Hazard Class.:	3
IMDG Pack Group.:	II	IMDG EmS:	F-E, S-D
IMDG subrisk:	-	IMDG Flashpoint:	12C

Air (ICAO/IATA)

Proper Shipping Name:	ALCOHOLS, N.O.S. (ETHANOL; METHANOL)		
ICAO Un No.:	UN1987	ICAO Hazard Class.:	3
ICAO Packing Group.:	II	ICAO subrisk:	
ICAO Flashpoint:	12C		

14 Transport information (....)

DOT / CFR (US Department of Transportation)

DOT Proper Shipping Name:	ALCOHOLS, N.O.S. (ETHANOL; METHANOL)		
Hazardous Material:	ETHANOL; METHANOL		
Hazard Class:	3	Identification Number:	UN1987
Product RQ (lbs):	-	DOT subrisk:	-
DOT Flashpoint:	12C		

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.
- This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.

15.2 Chemical Safety Assessment

None

16 Other information

Text of R and S phrase codes used in this safety data sheet:- H225: Highly flammable liquid and vapour.; H301: Toxic if swallowed.; H311: Toxic in contact with skin.; H331: Toxic if inhaled.; H341: Suspected of causing genetic defects.; H350: May cause cancer.; H361: Suspected of damaging fertility or the unborn child.; H370: Causes damage to organs.; R11: Highly Flammable; R23/24/25: Toxic by inhalation, in contact with skin and if swallowed; R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed; R45: May cause cancer; R62: Possible risk of impaired fertility; R68: Possible risk of irreversible effects.

The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties

The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

For addresses of other Wilhelmsen Ships Service offices, please refer to www.wilhelmsen.com/shipsservice

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16 Other information (....)

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