

SAFETY DATA SHEET

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

Product Name: **SMOKE DETECTOR TESTER**
 Datasheet Number: 740837 2.0.0
 Use of the substance/preparation: Smoke detector (12 canister)
 Product Part Number: 740837
 Head Office:: Wilhelmsen Ships Service
 address: Strandveien 20, N1324 Lysaker, Norway, Tel (+47) 67 584550
 Name of Supplier: Wilhelmsen Ships Service AS
 Address of Supplier: Willem Barentszstraat 50
 3165AB
 Rotterdam
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 Telephone: +31 10 4877 777
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 Responsible Person: Patrick Rijdsdijk, Product HSE Manager, Tel.: +31 6 349 440 35
 Email: Patrick.Rijdsdijk@Wilhelmsen.com
 Emergency Telephone: ****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

2 Hazards identification

- Odour: Smells of hydrocarbon
- Appearance: colourless
- Contact with eyes: In cases of severe exposure, irritation may develop
- Contact with skin: Possible frost-bite of affected areas, Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
- Inhalation: In cases of severe exposure, dizziness, confusion, headache or stupor may develop
- Ingestion: Not regarded as a potential route of exposure., Can cause damage to the digestive system

3 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
1,1,1,2 tetrafluoroethane (HFC 134A)	>50	811-97-2	212-377-0	-	-
Blended Oxy-hydrocarbons	10-25	-	-	R11	F

*See Section 16

4 First aid measures

Contact with skin

- After contact with skin, wash immediately with plenty of soap and water (S28)

Contact with eyes

- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- Irrigate eyes thoroughly whilst lifting eyelids
- When in doubt or symptoms persist, seek medical attention

4 First aid measures (....)

Ingestion

- When in doubt or symptoms persist, seek medical attention

Inhalation

- If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
- Apply artificial respiration only if patient is not breathing
- Keep warm and at rest

General

- When in doubt or symptoms persist, seek medical attention
-

5 Fire-fighting measures

- Toxic and irritant fumes may be formed
 - In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide (S43)
 - Smoke from fires is toxic. Take precautions to protect personnel from exposure
 - Smoke from fires is irritating. Take precautions to protect personnel from exposure
-

6 Accidental release measures

Personal Precautions

- In case of fire and/or explosion do not breathe fumes (S41)
- Avoid contact with skin and eyes (S24/25)

Clean Up Actions

- Ventilate area
-

7 Handling and storage

Handling

- Avoid contact with skin and eyes (S24/25)
- Eyewash bottles should be available
- Do not breathe fumes (S23)

Storage

- Keep in a cool, dry, well ventilated place
 - Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 deg C
-

8 Exposure controls and personal protection

Exposure Limits

- No exposure limits have been set for this substance

Exposure controls

- In case of inadequate ventilation wear respiratory protection.

Occupational exposure controls

- In case of inadequate ventilation wear respiratory protection.
 - Wear rubber gloves
-

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

Gloves

9 Physical and chemical properties

- Odour: Smells of hydrocarbon
 - Appearance: colourless
 - Boiling point -26.5 °C
 - Vapour pressure 5.4 Bar at 25 deg C
 - Vapour density (air = 1) 3.5
 - Partially soluble in water
-

10 Stability and reactivity

- This article is considered stable under normal conditions
 - Keep away from naked flames, incandescent or hot surfaces, Avoid contact with alkali metals, Avoid contact with alkaline earth metals
 - Avoid contact with magnesium and alloys containing more than 2% magnesium., Incompatible with alkaline earth metals, Incompatible with alkali metals
 - Decomposition products may include toxic and irritant fumes
-

11 Toxicological information

Inhalation

- In cases of severe exposure, dizziness, confusion, headache or stupor may develop
- Mildly irritating to respiratory system

Contact with skin

- In cases of severe exposure, redness and irritation may develop

Contact with eyes

- Causes redness and irritation

Ingestion

- No information available but must be considered harmful
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12 Ecological information

Mobility

- Partially soluble in water.
- This substance is volatile

Persistence and Biodegradability

- No information available

Bioaccumulation Potential

- No information available
-

13 Disposal considerations

Classification

- This material and/or its container must be disposed of as hazardous waste
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13 Disposal considerations (....)

Disposal considerations

- Do not pierce or burn container, even after use
- Disposal should be in accordance with local, state or national legislation

14 Transport information



Non-Flammable Compressed Gas

Proper Shipping Name: AEROSOLS, NON-FLAMMABLE

Emergency Action Code

UN

Road/Rail (ADR/RID)

Proper Shipping Name:	AEROSOLS, NON-FLAMMABLE	ADR Hazard Class:	2.2
ADR UN No.:	UN1950	ADR subrisk:	-
ADR Packing Group:	-	ADR Flashpoint:	-
ADR-RID Labels:	2.2		

Sea (IMDG)

Proper Shipping Name:	AEROSOLS, NON-FLAMMABLE	IMDG Hazard Class.:	2.2
IMDG UN No.:	UN1950	IMDG EmS:	F,D - S,U
IMDG Pack Group.:	-	IMDG Labels:	2.2
IMDG subrisk:	-		
IMDG Flashpoint:	-		

Air (ICAO/IATA)

Proper Shipping Name:	AEROSOLS, NON-FLAMMABLE	ICAO Hazard Class.:	2.2
ICAO Un No.:	UN1950	ICAO subrisk:	-
ICAO Packing Group.:	-	ICAO Flashpoint:	-
ICAO Labels:	2.2		

DOT / CFR (US Department of Transportation)

DOT Proper Shipping Name:	AEROSOLS, NON-FLAMMABLE	Hazard Class:	2.2
Hazardous Material:	1,1,1,2 tetrafluoroethane (HCF 134A)	Product RQ (lbs):	-
Identification Number:	UN1950	DOT Labels:	2.2
DOT subrisk:	-		
DOT Flashpoint:	-		

15 Regulatory information

Classification and labelling

- Not hazardous according to current Safety Data Sheets Directive (2001/58/EC)

Risk Phrases

- Irritating to eyes, respiratory system and skin (R36/37/38)

Safety Phrases

- Keep out of reach of children (S2)
- Keep in a cool place (S3)

15 Regulatory information (....)

- Keep container in a well ventilated place (S9)
 - Do not breathe spray/mists (S23)
 - Avoid contact with skin and eyes (S24/25)
 - In case of fire and/or explosion do not breathe fumes (S41)
 - Use only in well ventilated areas (S51)
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16 Other information

Text of R and S phrase codes used in this safety data sheet:- R11: Highly Flammable.

This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH...

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

This Safety Data Sheet is provided in compliance with the EC Directive 2001/59/EC

This safety data sheet complies with directive 91/155/EEC