

SAFETY DATA SHEET

SECTION 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Product Name: SPANGAS METHANE
- Product Part Number: 682336

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

- Use of the substance/mixture: Span gas

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Wilhelmsen Ships Service AS
- Address of Supplier: Willem Barentszstraat 50, 3165AB Rotterdam, The Netherlands
- Telephone: +31 4877 777 Fax: +31 4877 888
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- Head office: Wilhelmsen Ships Service AS
- Strandveien 20, N1324 Lysaker
- Norway, Tel: (47) 6349 440 35
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- Other suppliers SEE SECTION 16!!!
- For quotations contact your local Customer Services
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- Responsible Person: Product HSE Manager,
- Email: Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com
- Telephone: Tel.: +31 10 4877775

1.4 Emergency telephone number

- ****ONLY TO BE USED IN CASE OF AN INCIDENT****
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- International 24hrs Emergency NCEC:+ 44 1865 407333
- American Chemistry Council 24hrs +1 703 527 3887
- American 24hrs Emergency CHEMTREC (800) 424 9300
- Greece: Poisoning emergency center, +30 210 7793777
- Norway: Poison information centre, +47 22591300
- Sweden: Poison information centre, +46 08 33 12 31
- China NRCC 24hrs emergency telephone number: +86-0532-8388 9090
- Wilhelmsen Ships Service, Melbourne, AUSTRALIA Emergency 24hrs: +61 3 9630 0998
- China NRCC 24hrs emergency telephone number: +86-0532-8388 9090
- American 24hrs Emergency CHEMTREC (800) 424 9300

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Refer to current The Dangerous Substances Directive (67/548/EEC)
- Symbols: F+
- Extremely Flammable (R12)
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- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Signal Word: Danger
- Flam. Gas 1
- Press. Gas
- Extremely flammable gas (H220).
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SECTION 2 Hazards identification (....)

Contains gas under pressure; may explode if heated (H280).

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2.2 Label elements



- Hazard phrases
 - Extremely flammable gas (H220).
 - Contains gas under pressure; may explode if heated (H280).
- Signal Word:
 - Flam. Gas 1
- Pressurized container
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- Contains:
 - METHANE
-
- Precautionary Phrases
 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking (P210).
 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely (P377).
 - Eliminate all ignition sources if safe to do so (P381).
 - Store in a well-ventilated place (P403).

2.3 Other hazards

- Not a PBT according to REACH Annex XIII
- Not applicable

SECTION 3 Composition/information on ingredients

3.1 Mixtures

- methane
 - Concentration: 99,9%
 - CAS Number: 74-82-8
 - EC Number: 200-812-7
 - R/H Phrases: H220, R12
 - Symbols: GHS02,GHS04, F+
 - Categories: Flam. Gas 1 Press. Gas

SECTION 4 First aid measures

4.1 Description of first aid measures

- Contact with skin:
 - In case of contact with liquid, thaw frosted parts with water. Do not attempt to remove clothing which has stuck to the skin
 - Burns must be treated by a physician.
- Contact with eyes:
 - If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
 - Obtain immediate medical attention
- Ingestion:
 - Not regarded as a potential route of exposure.
- Inhalation:
 - Remove patient to fresh air
 - Apply artificial respiration only if patient is not breathing
 - When in doubt or symptoms persist, seek medical attention

SECTION 4 First aid measures (....)

4.2 Most important symptoms and effects, both acute and delayed

- In cases of severe exposure, dizziness, confusion, headache or stupor may develop
- Burns must be treated by a physician.

4.3 Indication of any immediate medical attention and special treatment needed

- No information available
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SECTION 5 Fire-fighting measures

5.1 Extinguishing media

- In case of fire: use water, alcohol resistant foam or dry agent for extinction (P370+P378)

5.2 Special hazards arising from the substance or mixture

- Decomposition products may include carbon monoxide
- Inform Fire Brigade of potential danger of exploding and rocketing cylinders

5.3 Advice for firefighters

- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
 - Stop leak if safe to do so (P376).
 - Wear Breathing Apparatus
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SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Shut off all ignition sources
- Shut off source of leak if safe to do so
- In poorly ventilated areas or confined spaces, use an airline respirator or self-contained breathing apparatus
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback

6.2 Environmental Precautions

- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback

6.3 Methods and material for containment and cleaning up

- Shut off source of leak if safe to do so
- Allow product to evaporate
- Ventilate area

6.4 Reference to other sections

- See Section 13
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SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Do not spray on naked flame or any incandescent material
- Ensure adequate ventilation
- Equipment should be earthed
- Equipment should be of flameproof design
- Keep away from heat/sparks/open flames/hot surfaces. – No smoking (P210).

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place
- Do not store above 45 °C

7.3 Specific end use(s)

- Contact supplier for further information
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SECTION 8 Exposure controls/personal protection

8.1 Control parameters

- There are no recommended or established controls for this product

8.2 Exposure controls

- The undiluted product must not be used in a confined space without good ventilation

8.3 Occupational exposure controls



- Ensure adequate ventilation
 - Wear leather gloves
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SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: Liquefied pressure gas
- pH - not applicable
- Boiling point ~-162 °C
- Vapour density (air = 1) 0.55
- Lower explosive limit 5 % (in air)
- Upper explosive limit 15 % (in air)

9.2 Other information

- No information available
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SECTION 10 Stability and reactivity

10.1 Reactivity

- This article is considered stable under normal conditions

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- Reacts with oxidizing substances
- May form explosive vapour/air mixtures

10.4 Conditions to avoid

- Keep away from naked flames, incandescent or hot surfaces

10.5 Incompatible materials

- Incompatible with oxidizing substances

10.6 Hazardous Decomposition Products

- No hazardous decomposition products known
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SECTION 11 Toxicological information

11.1 Information on toxicological effects

- No experimental data available

11.2 Contact with eyes

- Not applicable

11.3 Contact with skin

- Not applicable
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SECTION 11 Toxicological information (....)

11.4 Ingestion

- Not regarded as a potential route of exposure.

11.5 Inhalation

- In cases of severe exposure, shortness of breath may develop
 - Asphyxiant
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SECTION 12 Ecological information

12.1 Toxicity

- On available data, substance is not harmful to aquatic life

12.2 Persistence and degradability

- Not applicable

12.3 Bioaccumulation Potential

- Not applicable

12.4 Mobility in soil

- Not applicable

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- Not applicable
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SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- Disposal should be in accordance with local, state or national legislation
- Disposal should be in accordance with manufacturer's instructions
- Uncontaminated material may be returnable. Contact supplier

13.2 Classification

- EU Waste class: -
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SECTION 14 Transport information

14.1 UN

- UN No.: UN1971
- Proper Shipping Name: METHANE, COMPRESSED
- Hazard Class: 2.1
- Packing Group: Not applicable

14.2 Environmental hazards

- Not applicable

14.3 Special precautions for user

- Gas cylinders must be equipped with valve protection caps during transport.

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

- Not applicable

14.5 Road/Rail (ADR/RID)

SECTION 14 Transport information (....)

- ADR UN No.: UN1971
- Proper Shipping Name: METHANE, COMPRESSED
- ADR Hazard Class: 2.1
- ADR Packing Group: Not applicable

14.6 Sea (IMDG)

- IMDG UN No.: UN1971
- Proper Shipping Name: METHANE, COMPRESSED
- IMDG Hazard Class: 2.1
- IMDG Pack Group.: Not applicable
- IMDG EmS: F-D, S-U

14.7 Air (ICAO/IATA)

- ICAO UN No.: UN1971
- Proper Shipping Name: METHANE, COMPRESSED
- ICAO Hazard Class: 2.1
- ICAO Packing Group: Not applicable

14.8 DOT / CFR (US Department of Transportation)

- Identification Number: UN1971
 - DOT Proper Shipping Name: METHANE, COMPRESSED
 - DOT Labels: 2.1
 - Product RQ (lbs): Not applicable
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SECTION 15 Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Refer to current The Dangerous Substances Directive (67/548/EEC)
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010

15.2 Chemical Safety Assessment

- None
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SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H220: Extremely flammable gas. R12: Extremely Flammable.

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

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 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 most up-to-date version of this MSDS can be found on www.wilhelmsen.com/shipsservice

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

Wilhelmsen Ships Service Level 17, 636 St Kilda Road Melbourne Vic 3004 AUSTRALIA
Tel: +61 3 9630 0900 Emergency 24hrs: +61 3 9630 0998

SECTION 16 Other information (....)

Wilhelmsen Ships Service INC 210 Edgewater Street US-10305 Staten Island New York United States Telephone daytime: (+1) 718 815 1310 Fax: (+1) 718 233 3268

Wilhelmsen Ships Service INC 2200 W. Pacific Coast Highway US-90810 Long Beach California, United States Tel (+1) 562 624 8888 Fax (+1) 562 624 1011

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Wilhelmsen Ships Service INC. 9400 New Century Drive US-77507 Pasadena Texas United States Telephone daytime: (+1) 281 867 2000 Fax: (+1) 281 867 2800

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