

SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: FUELPOWER SLOWSTEAMING
- Product Part Number: 765042

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

- Use of the substance/preparation: Fuel treatment

1.3 Details of the supplier of the safety data sheet

Name of Supplier:

Head Office:

Wilhelmsen Ships Service AS
Strandveien 20, N1324 Lysaker,
Norway Tel: (47) 6349 440 35

Supplier:

Wilhelmsen Ships Service AS
Willem Barentszstraat 50
3165AB Rotterdam
Telephone: +31 4877 777
Fax: +31 4877 888
The Netherlands

Other suppliers SEE SECTION 16!!!

For quotations contact your local Customer Services

-
- Responsible Person: Product HSE Manager,
- Email: Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com
- Telephone: Tel.: +31 10 4877775

1.4 Emergency telephone number

Emergency Telephone: -ONLY TO BE USED IN CASE OF AN INCIDENTNCEC:+

44 1865 407333, CHEMTREC (800) 424 9300

American Chemistry Council +1 703 527 3887,

Greece +30 210 7793777Australia: +61 3 9630 0998

Giftinformasjonsentralen in Norway Tel.: +47 22591300

Wilhelmsen Ships Service, Melbourne, AUSTRALIA Emergency 24hrs: +61 3 9630 0998

FOR QUOTATIONS PLEASE CONTACT YOUR LOCAL CUSTOMER SERVICES

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: Xn, N
- Harmful: may cause lung damage if swallowed (R65)
- Repeated exposure may cause skin dryness or cracking (R66)
- Vapours may cause drowsiness and dizziness (R67)
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53)
- May impair fertility (R60)
- May cause harm to the unborn child (R61)

SECTION 2 Hazards identification (....)

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- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Signal Word: Danger
- Symbols: GHS09, GHS08
- Asp. Tox. 1
- STOT SE 3
- Aquatic Chronic 2
- Repr. 1B
- Repeated exposure may cause skin dryness or cracking (EUH066).
- May be fatal if swallowed and enters airways (H304).
- May cause drowsiness or dizziness (H336).
- May damage fertility or the unborn child (H360)
- Toxic to aquatic life with long lasting effects (H411).
-

2.2 Label elements

- Signal Word: Danger
- Asp. Tox. 1
- STOT SE 3
- Aquatic Chronic 2
- Repr. 1B
-
- Contains:
- Hydrocarbones, C10, aromatics, < 1% naphtalene
- Solvent Naphta (petroleum), heavy aromatic
- Kerosine (petroleum), hydrodesulfurized
- Camphor
- Ferrocene
-
- Hazard phrases
 - Repeated exposure may cause skin dryness or cracking (EUH066).
 - May be fatal if swallowed and enters airways (H304).
 - May cause drowsiness or dizziness (H336).
 - May damage fertility or the unborn child (H360)
 - Toxic to aquatic life with long lasting effects (H411).
- Precautionary Phrases
 - Avoid breathing dust/fume/gas/mist/vapours/spray (P261).
 - Wear protective gloves/protective clothing/eye protection/face protection (P280).
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
 - If eye irritation persists: Get medical advice/attention (P337+P313).
 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
 - Immediately call a POISON CENTER or doctor/physician (P310).
 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).
 - Dispose of contents/container to an authorised waste collection point (P501)

2.3 Other hazards

- Not applicable
- Not a PBT according to REACH Annex XIII
- Appearance: Liquid, clear, light, brown
- Odour: Characteristic odour, Hydrocarbon odour

SECTION 3 Composition/information on ingredients

3.1 Mixtures

- Hydrocarbones, C10, aromatics, < 1% naphtalene
Concentration: 60-100 %
CAS Number: Not applicable
EC Number: 918-811-1
R/H Phrases: R65, R66, R67, R51/53 - H304, EUH066, H411, H336
Symbols: Xn, N, GHS07, GHS09, GHS08
Categories: Aquatic Chronic 2, Asp. Tox. 1, STOT SE 3
REACH REG. NO: 01-21194635 83-34-000
- Solvent Naphta (petroleum), heavy aromatic
Concentration: 1-5 %
CAS Number: 64742-94-5
EC Number: 265-198-5
R/H Phrases: R65, R66, R67, R51, R53 - H315, H304, H336, H411
Symbols: Xn, N, GHS09, GHS08, GHS07
Categories: Skin Irrit. 2, Asp. Tox. 1, STOT SE 3, Aquatic Chronic 2
REACH REG. NO: 01-21194635 83-34
- Kerosine (petroleum) hydrodesulfurized
Concentration: 10-30 %
CAS Number: 64742-81-0
EC Number: 265-184-9
R/H Phrases: R65, R51/53, R38 - H304, H315, H411
Symbols: Xn, GHS09, GHS08, GHS07
Categories: Asp. Tox. 1, Skin Irrit. 2, Aquatic Chronic 2
REACH REG. NO: 01-21194588 69-15
- Camphor
Concentration: 1-5 %
CAS Number: 76-22-2
EC Number: 200-945-0
R/H Phrases: R11, R22, R68/22 - H228, H332, H371
Symbols: Xn, GHS02, GHS08, GHS07
Categories: Flam. Sol. 2, Acute Tox. 4, STOT SE 2
- Ferrocene
Concentration: 1-5 %
CAS Number: 102-54-5
EC Number: 203-039-3
R/H Phrases: R11, R22 - H228, H302, H332, H360, H373, H410
Symbols: Xn, GHS02, GHS09, GHS08
Categories: Flam. Sol. 2, Acute Tox. 4, Repr. 1B, STOT RE 2, Aquatic Chronic 1
REACH REG. NO: 01-21199782 80-34

SECTION 4 First aid measures

4.1 Description of first aid measures

- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).
- Seek medical advice if necessary
- NOTE TO PHYSICIANS: Treat by observation and supportive measures as indicated by the patients condition
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- IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
- Immediately call a POISON CENTER or doctor/physician (P310).
- Give water or milk to drink
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- IF ON SKIN: Wash with plenty of soap and water (P302+P352).

SECTION 4 First aid measures (....)

- Take off contaminated clothing and wash before reuse (P362).
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 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
 - If eye irritation persists: Get medical advice/attention (P337+P313).
- 4.2 Most important symptoms and effects, both acute and delayed
- In cases of severe exposure, headache may develop
 - In cases of severe exposure, nausea/vomiting may develop
 - Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
 - Causes eye irritation (H320).
 - The ingestion of significant quantities may cause chemical oedema
- 4.3 Indication of any immediate medical attention and special treatment needed
- No information available
 - Treat symptomatically
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SECTION 5 Fire-fighting measures

- 5.1 Extinguishing media
- In case of fire: use carbon dioxide or dry agent for extinction (P370+P378)
 - In case of fire: use dry powder/BCF for extinction (P370+P378)
 - In case of fire: use dry sand or dry salt for extinction (P370+P378)
- 5.2 Special hazards arising from the substance or mixture
- May form explosive mixtures with air
 - In confined spaces, sewers, etc., the vapours may collect to form explosive mixtures with air
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 - In case of fire: (P370)
 - Carbon dioxide may be formed
 - Carbon oxides may be formed
- 5.3 Advice for firefighters
- In the event of an adjacent fire, cool containers with water spray
 - Prevent run off water from entering drains if possible
 - Wear chemical protection suit and positive-pressure breathing apparatus
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SECTION 6 Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
- Wear protective clothing as per section 8
- 6.2 Environmental Precautions
- Avoid scattering in the environment
 - Do not allow to enter public sewers and watercourses
- 6.3 Methods and material for containment and cleaning up
- Keep away from heat/sparks/open flames/hot surfaces. – No smoking (P210).
 - Shut off all ignition sources
 - Absorb spillage in earth or sand
 - Absorb spillage in dry sand
 - Absorb spillage in inert material and shovel up
 - Place in sealable 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
-

SECTION 6 Accidental release measures (....)

6.4 Reference to other sections

- See Section 13
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SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Avoid breathing dust/fume/gas/mist/vapours/spray (P261).
- Do not get in eyes, on skin, or on clothing (P262).
- Ensure adequate ventilation
- Eyewash bottles should be available
- Keep away from sources of ignition - No Smoking (S16)
- Use personal protective equipment as required (P281).
- Wash contaminated clothing before reuse (P363).
- Wash hands and working surfaces thoroughly after handling (P264).

7.2 Conditions for safe storage, including any incompatibilities

- Store in a dry place. Store in a closed container (P402+P404).
- Store in a well-ventilated place (P403).

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

- Hydrocarbones, C10, aromatics, < 1% naphtalene
WEL (long term) 120 mg/m³
- Solvent Naphta (petroleum), heavy aromatic
WEL (long term) 120 mg/m³

8.2 Exposure controls

- Ensure adequate ventilation

8.3 Occupational exposure controls

- Wear protective gloves/protective clothing/eye protection/face protection (P280).
- Wear suitable respiratory protection. Gas cartridge (organic substances).
- Wear neoprene or nitrile gloves
- Wear rubber gloves
- Penetration time of glove material:
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.



SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Liquid, clear, light, brown, soluble in water
- Odour: Characteristic odour, Hydrocarbon odour
- Boiling Point/Range: Boiling point 165 - 225 °C
- Density 0,850 - 0,870 g/cm³ at 20 deg C
- Flash point > 61 deg C (CC)
- Auto-ignition point 200-250 deg C
- Flammability: Lower flammability limit 0,60%(in air), Upper flammability limit 7%(in air)

SECTION 9 Physical and chemical properties (....)

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

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Keep away from heat and sources of ignition

10.5 Incompatible materials

- Not applicable

10.6 Hazardous Decomposition Products

- Decomposition products may include carbon dioxide
 - Decomposition products may include carbon oxides
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SECTION 11 Toxicological information

11.1 Information on toxicological effects

- LD50 (oral, rat) (Hydrocarbones) >2000 mg/kg
- LD50 (oral, rat) (Camphor) 1320 mg/kg
- LD50 (oral, rat) (Ferrocene) >3000 mg/kg

11.2 Contact with eyes

- Causes irritation

11.3 Contact with skin

- Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis

11.4 Ingestion

- The ingestion of significant quantities may cause chemical oedema

11.5 Inhalation

- In cases of severe exposure, dizziness, confusion, headache or stupor may develop
 - In cases of severe exposure, nausea/vomiting may develop
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SECTION 12 Ecological information

12.1 Toxicity

- LC50 (fish) (Hydrocarbones, aromatics) 1-10 mg/l (96 hr)
- LC50 (fish) (Hydrocarbones, 2-30% aromatics) 10-100 mg/l (96 hr)
- This product contains components which are classified in the EU as dangerous for the environment.

12.2 Persistence and degradability

- The components in this product are readily biodegradable.
- Oxidises rapidly by photo-chemical reactions in air.

12.3 Bioaccumulation Potential

- Hydrocarbon solvents have the potential to bioaccumulate.

SECTION 12 Ecological information (....)**12.4 Mobility in soil**

- Hydrocarbonsolvents floats on water. Adsorbs to soil and is not mobile. Partly evaporates from water and soil surfaces, but a significant portion will remain after one day. Large volumes may penetrate soil and could contaminate groundwater.

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**

- Disposal should be in accordance with local, state or national legislation
- Dispose of contents/container to an authorised waste collection point (P501)

13.2 Classification

- EU Waste class: 07 01 04*
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SECTION 14 Transport information**14.1 UN**

- UN No.: UN3082
- Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Solvent naphta, heavy arom. mixture)
- Hazard Class: 9
- Packing Group: III

14.2 Environmental hazards

- Marine pollutant
- ENVIRONMENTALLY HAZARDOUS

14.3 Special precautions for user

- No special precautions are required for this product

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)

- ADR UN No.: UN3082
- Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Solvent naphta, heavy arom. mixture)
- ADR Hazard Class: 9
- ADR Packing Group: III

14.6 Sea (IMDG)

- IMDG UN No.: UN3082
- Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Solvent naphta, heavy arom. mixture)
- IMDG Hazard Class: 9
- IMDG Pack Group.: III
- IMDG EmS: F-A, S-F

14.7 Air (ICAO/IATA)

- ICAO Un No.: UN3082
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SECTION 14 Transport information (....)

- Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Solvent naphta, heavy arom. mixture)
- ICAO Hazard Class: 9
- ICAO Packing Group: III

14.8 DOT / CFR (US Department of Transportation)

- Identification Number: UN3082
 - DOT Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Solvent naphta, heavy arom. mixture)
 - DOT Labels: 9
 - 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 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:- EUH066: Repeated exposure may cause skin dryness or cracking. H228: Flammable solid. H302: Harmful if swallowed. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H332: Harmful if inhaled. H336: May cause drowsiness or dizziness. H360: May damage fertility or the unborn child. H371: May cause damage to organs. H373: May cause damage to organs through prolonged or repeated exposure. H410: Very toxic to aquatic life with long lasting effects. H411: Toxic to aquatic life with long lasting effects. R11: Highly Flammable. R22: Harmful if swallowed. R38: Irritating to skin. R51: Toxic to aquatic organisms. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R53: May cause long term adverse effects in the aquatic environment. R65: Harmful: may cause lung damage if swallowed. R66: Repeated exposure may cause skin dryness or cracking. R67: Vapours may cause drowsiness and dizziness. R68/22: Harmful: possible risk of irreversible effects if swallowed.

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

SECTION 16 Other information (....)

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

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

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