

---

**SAFETY DATA SHEET**

---

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

## 1.1 Product identifier

- Product Name: FUEL POWER CATALYST
- Product Part Number: 778787

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

- Use of the substance/mixture: Fuel treatment

## 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

-

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

-

- 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
- Responsible Person: Product HSE Manager,

## 1.4 Emergency telephone number

- \*\*\*\*ONLY TO BE USED IN CASE OF AN INCIDENT\*\*\*\*
- 
- 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

---

**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)

**SECTION 2 Hazards identification (....)**

- Repeated exposure may cause skin dryness or cracking (R66)
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53)
- 
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Signal Word: Danger
- Symbols: GHS07, GHS09, GHS08
- Asp. Tox. 1
- Eye Irrit. 2
- Aquatic Chronic 2
- Repeated exposure may cause skin dryness or cracking (EUH066).
- May be fatal if swallowed and enters airways (H304).
- Causes serious eye irritation (H319).
- Toxic to aquatic life with long lasting effects (H411).
- 

**2.2 Label elements**

- Hazard phrases
  - Repeated exposure may cause skin dryness or cracking (EUH066).
  - May be fatal if swallowed and enters airways (H304).
  - Causes serious eye irritation (H319).
  - Toxic to aquatic life with long lasting effects (H411).
  - May cause damage to organs through prolonged or repeated exposure (H373).
- Signal Word: Danger
- Asp. Tox. 1
- Eye Irrit. 2
- Aquatic Chronic 2
- STOT RE 2
- 
- Contains:
  - Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
  - Solvent Naphta (petroleum), heavy aromatic
  - Hydrocarbones, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
  - Alkoxyated, derivative. Polymer
  - naphthalene
  - 12-Hydroxystearic acid, oligomers, reaction products with stearic acid
- 
- 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

**SECTION 2 Hazards identification (....)**

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**

- Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
  - Concentration: 10-30 %
  - CAS Number: Not applicable
  - EC Number: 919-164-8
  - R/H Phrases: R65, R66 - H304, EUH066, H412
  - Symbols: Xn, GHS08
  - Categories: Asp. Tox. 1, Aquatic Chronic 4
  - REACH REG. NO: 01-21194739 77-17-0004
- Solvent Naphta (petroleum), heavy aromatic
  - Concentration: 5-10 %
  - 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
- Hydrocarbones, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
  - Concentration: 30-60 %
  - CAS Number: 64742-47-8
  - EC Number: 265-149-8
  - R/H Phrases: R65, R66 - H304, EUH066
  - Symbols: Xn, GHS08
  - Categories: Asp. Tox. 1
  - REACH REG. NO: 2119456620-43
- Alkoxylated, derivative. Polymer
  - Concentration: 10-30 %
  - CAS Number: Not applicable
  - EC Number: Not applicable
  - R/H Phrases: R36 - H319
  - Symbols: Xi, GHS07
  - Categories: Eye Irrit. 2
- naphthalene

---

### **SECTION 3 Composition/information on ingredients (....)**

Concentration: 0,3-0,8 %

CAS Number: 91-20-3

EC Number: 202-049-5

R/H Phrases: R22,R40,R50/53 -H351,H302,H400,H410

Symbols: GHS07,GHS08,GHS09, Xn, N

Categories: Carc. 2 Acute Tox. 4 \* Aquatic Acute 1 Aquatic Chronic 1

---

### **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
- 
- 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
- 
- IF ON SKIN: Wash with plenty of soap and water (P302+P352).
- Take off contaminated clothing and wash before reuse (P362).
- 
- 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
- 

### **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
-

## **SECTION 5 Fire-fighting measures (....)**

- 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
- 

## **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

### 6.4 Reference to other sections

- See Section 13
- 

## **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
- 

## **SECTION 8 Exposure controls/personal protection**

### 8.1 Control parameters

---

---

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

- Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)  
WEL (long term) 275 mg/m<sup>3</sup>
- Solvent Naphta (petroleum), heavy aromatic  
WEL (long term) 120 mg/m<sup>3</sup>
- Hydrocarbones, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics  
WEL (long term) 275 mg/m<sup>3</sup>

**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, dark, brown, soluble in water
- Odour: Characteristic odour, Hydrocarbon odour
- Boiling Point/Range: Boiling point 175 - 225 °C
- Density 0.95 - 1,05 g/cm<sup>3</sup> 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)

**9.2 Other information**

- No information available

---

**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**

**SECTION 10 Stability and reactivity (....)**

- Not applicable

## 10.6 Hazardous Decomposition Products

- Decomposition products may include carbon dioxide
  - Decomposition products may include carbon oxides
- 

**SECTION 11 Toxicological information**

## 11.1 Information on toxicological effects

- LD50 (oral, rat) (Hydrocarbones) >5000 mg/kg
- LD50 (oral, rat) (Alkoxyated derivative) >2000 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
- 

**SECTION 12 Ecological information**

## 12.1 Toxicity

- LC50 (fish) (Hydrocarbones, >2% aromatics) 1-10 mg/l (96 hr)
- LC50 (fish) (Hydrocarbones, <2% aromatics) 10-100 mg/l (96 hr)
- LC50 (fish) (Alkoxyated derivative) 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.

## 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
- 

**SECTION 13 Disposal considerations**

## 13.1 Waste treatment methods

---

**SECTION 13 Disposal considerations (....)**

- 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\*
- 

**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
- 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)**



**SECTION 14 Transport information (....)**

- 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
- 

**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
- Danish PR number: 2388871

## 15.2 Chemical Safety Assessment

- None
- 

**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. H302: Harmful if swallowed. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects. H411: Toxic to aquatic life with long lasting effects. H412: Harmful to aquatic life with long lasting effects. R22: Harmful if swallowed. R36: Irritating to eyes. R40: Limited evidence of carcinogenic effect. R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51: Toxic to aquatic organisms. 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.

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](http://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

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

---

**SECTION 16 Other information (....)**

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  
Wilhelmsen Ships Service INC 701 Ashland Ave. Ashland Center Two, Bay 12 US- 19032 Folcroft Pennsylvania United States Tel (+1) 610 586 7801 Fax (+1) 215 701 0646  
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  
Wilhelmsen Ships Service Ltd. Unit 3A NewtonsCourt Crossways DA2 6QL Dartford, Kent United Kingdom Tel (+44) 1322 282 412 Fax (+44) 1322 284 774  
Wilhelmsen Ships Service Ltda Rua Bispo Lacerda nos.61/67 Del Catilho BR 21051120 Rio de Janeiro Brazil Tel (+55) 21 25 82 8000 Fax (+55) 21 25 82 8001  
Wilhelmsen Ships Service (S) Pte Ltd 186 Pandan Loop Singapore 128376 Tel (+65) 6395 4545  
Wilhelmsen Ships Service Co., Ltd 12-31 Torihama-cho Kanazawa-ku Yokohama-shi JP-236 0002, Japan Tel (+81) 45 775 0012 Fax (+81) 45 775 0070  
Wilhelmsen Ships Service Hellas SA 100, D. Moutsopoulou & Serifou str GR-185 41 Piraeus Greece Tel (+ 30) 210 4239100 Fax (+ 30) 210 4212480  
Wilhelmsen Ships Service AS U.A.E . FI 24 Executive Heights, Tecom C Sheikh Zayed Road (East) Dubai United Arab Emirates Tel (+971) 4 382 3888  
Wilhelmsen Ships Service AS, Willem Barentszstraat 50 3165 AB Rotterdam-Albrandswaard, the Netherlands. Tel (+31) 10 4877 777

