
SAFETY DATA SHEET

This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010

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

1.1 Product identifier

- Product Name: DIESELPower ENHANCER
- Product Part Number: 777190

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
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- 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****
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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
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- The Netherlands: National Poisons Information Centre + 31 30 274 88 88

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.

SECTION 2 Hazards identification (....)

- 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)
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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
- Repeated exposure may cause skin dryness or cracking (EUH066).
- May be fatal if swallowed and enters airways (H304).
- May cause drowsiness or dizziness (H336).
- Toxic to aquatic life with long lasting effects (H411).
-

2.2 Label elements

- Signal Word:
- Asp. Tox. 1
- STOT SE 3
- Aquatic Chronic 2
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- Contains:
- Hydrocarbones, C10, aromatics, < 1% naphthalene
- Solvent Naphta (petroleum), heavy aromatic
- Tetraethylenepentamine linear, cyclic and branched
- 2,6-di-tert-butylphenol
- naphthalene
- 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).
- 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

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, amber
- Odour: Aromatic odour

SECTION 3 Composition/information on ingredients**3.1 Mixtures**

- Hydrocarbones, C10, aromatics, < 1% naphtalene
Concentration: 30-60 %
CAS Number: Not applicable
EC Number: 918-811-1
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: 5-10 %
CAS Number: 64742-94-5
EC Number: 265-198-5
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
- Tetraethylenepentamine linear, cyclic and branched
Concentration: 0-1%
CAS Number: 90640-66-7
EC Number: 292-587-7
H Phrases: R21/22, R34, R43, R51/52 - H302, H312, H314, H317, H411
Symbols: C, N, GHS05, GHS09, GHS07
Categories: Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1, Aquatic Chronic 2
REACH REG. NO: 01-21194872 90-37
- 2,6-di-tert-butylphenol
Concentration: 1-5 %
CAS Number: 128-39-2
EC Number: 204-884-0
H Phrases: R41, R50/53 - H302, H319, H410
Symbols: Xi, N, GHS09, GHS07
Categories: Acute Tox. 4, Eye Irrit. 2, Skin Irrit. 2, Aquatic Chronic 1
REACH REG. NO: 01-21195380 13-51

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

- naphthalene
 - Concentration: 0-1 %
 - CAS Number: 91-20-3
 - EC Number: 202-049-5
 - 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
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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).
- 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

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

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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
-

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
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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

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, amber, soluble in water
- Odour: Aromatic odour
- Boiling Point/Range: Boiling point 165 - 225 °C
- Density 0.900-0.925 g/cm³ at 20 deg C
- Flash point > 61 deg C (CC)
- Auto-ignition point >200 deg C
- Flammability: Lower flammability limit 0,60%(in air), Upper flammability limit 7%(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

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

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) (Naphtalene) 490 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, >2% aromatics) 1-10 mg/l (96 hr)
- LC50 (fish) for Naphthalene) 1,6 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
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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)
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SECTION 13 Disposal considerations (....)

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
- 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

SECTION 14 Transport information (....)

- 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. H302: Harmful if swallowed. H304: May be fatal if swallowed and enters airways. H312: Harmful in contact with skin. H314: Causes severe skin burns and eye damage. H315: Causes skin irritation. H317: May cause an allergic skin reaction. 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. R21/22: Harmful in contact with skin and if swallowed. R22: Harmful if swallowed. R34: Causes burns. R40: Limited evidence of carcinogenic effect. R41: Risk of serious damage to eyes. R43: May cause sensitisation by skin contact. R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. 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.

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/shipservice

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

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SECTION 16 Other information (....)

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