

SAFETY DATA SHEET

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

1.1 Product identifier

Product Name: DIESEL FUEL STABILISER
Datasheet Number: 777190 1. 0. 0
Product Part Number: 777190 (25L)
Head Office:: Wilhelmsen Ships Service AS
Address: Strandveien 20, N1324 Lysaker, Norway, Tel:+31 6 349 440 35

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

Fuel treatment

1.3 Details of the supplier of the safety data sheet

Name of Supplier: For quotations contact your local Customer Services
Address of Supplier: Wilhelmsen Ships Service AS
Willem Barentszstraat 50
3165AB Rotterdam
The Netherlands
Telephone: +31 10 4877 777
Fax: +31 10 4877 888
Responsible Person: , Product HSE Manager, Tel.: +31 10 4877775
Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com

1.4 Emergency telephone number

-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
Australia: +61 3 9630 0998
Giftinformasjonssentralen in Norway Tel.: +47 22591300

2 Hazards identification

2.1 Classification of the substance or mixture

- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Organ toxicity single exposure category 3
- Aquatic Chronic 2
- May cause drowsiness or dizziness.
- Repeated exposure may cause skin dryness or cracking.
-
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- 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)

2 Hazards identification (....)

2.2 Label elements



- Signal Word: Warning
- Symbols: N, GHS07, GHS09

Hazard phrases

- May cause drowsiness or dizziness.
- Very toxic to aquatic life with long lasting effects.
- Repeated exposure may cause skin dryness or cracking.

Precautionary Phrases

- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Collect spillage.
- IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
- Call a POISON CENTER or doctor/physician if you feel unwell.
- Store locked up.
- Disposal should be in accordance with local, state or national legislation

Risk Phrases

- 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)
- Vapours may cause drowsiness and dizziness (R67)

Safety Phrases

- Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)

2.3 Other hazards

- Odour: Aromatic odour
- Appearance: Liquid, amber
- Contact with eyes: May cause irritation
- Inhalation: May cause drowsiness
- Ingestion: Not regarded as a potential route of exposure., No information available
- Contains Polyalkylenepolyamine. May produce an allergic reaction.

3 Composition/information on ingredients

3.1 Mixtures

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Solvent naphtha (petroleum), heavy arom.	30-60%	64742-94-5	265-198-5	R65, 66, 67 R51/53	Xn, N
CLP CLASSIFICATION: Asp. Tox. 1				H304	GHS08
1,2,4-trimethylbenzene	1-5%	95-63-6	202-436-9		

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

R10, 20 Xn, N

R36/37/38

R51/53

CLP CLASSIFICATION:

Flam. Liq. 3

Acute Tox. 4 *

Eye Irrit. 2

STOT SE 3

Skin Irrit. 2

Aquatic Chronic 2

H226 H332

H319 H335

H315 H411

GHS02 GHS07

GHS09 Wng

phenol, 2,6-di-tert-butyl-

1-5%

128-39-2

204-884-0

R36/37/38

R51/53

Xi, N

CLP CLASSIFICATION: N/A

naphthalene

0.1-1%

91-20-3

202-049-5

R40, 22

R50/53

Xn, N

Carc. Cat 3

CLP CLASSIFICATION:

Carc. 2

Acute Tox. 4 *

Aquatic Acute 1

Aquatic Chronic 1

H351 H302

H400 H410

GHS07 GHS08

GHS09 Wng

cumene

0.1-1%

98-82-8

202-704-5

R10, 65, 37

Xn, Xi, N

CLP CLASSIFICATION:

Flam. Liq. 3

Asp. Tox. 1

STOT SE 3

Aquatic Chronic 2

H226 H304

H335 H411

GHS02 GHS08

GHS07 GHS09

Dgr

mesitylene

0.1-1%

108-67-8

203-604-4

R10, 37

51/53

Xi, N

CLP CLASSIFICATION:

Flam. Liq. 3

STOT SE 3

Aquatic Chronic 2

H226 H335

H411

GHS02 GHS07

GHS09 Wng

phenol, 2,4,6-tris(1,1-dimethylethyl)-

0.1-1%

732-26-3

211-989-5

R22, 50/53

R36/37/38

Xn, Xi, N

CLP CLASSIFICATION: N/A

Polyalkylenepolyamine

0.1-1%

N/A

N/A

R21/22

R34, 43

Xn, C, N

CLP CLASSIFICATION: N/A

*See Section 16

4 First aid measures

4.1 Description of first aid measures

- IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

DIESEL FUEL STABILISER

4 First aid measures (....)

- In case of exposure to substance or its vapours, obtain special treatment by doctor as soon as possible. Persons exposed may not show immediate symptoms - they must lie down, keep still and be taken to a doctor. Patient should be kept under medical supervision for at least 48 hours.
- Apply artificial respiration only if patient is not breathing but do not use mouth to mouth resuscitation
-
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- Never make an unconscious person vomit or drink fluids
- Give plenty of water to drink
- Do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention
- If vomiting occurs turn patient on side
- Get medical advice/attention.
-
- IF ON SKIN: Wash with plenty of soap and water.
- Take off contaminated clothing and wash before reuse.
-
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- Possible severe irritation of affected areas
- In cases of severe exposure, dizziness, confusion, headache or stupor may develop
- Repeated exposure may cause skin dryness or cracking.

4.3 Indication of immediate medical attention and special treatment needed

none

5 Fire-fighting measures

5.1 Extinguishing media

- In case of fire: use dry agent for extinction
- In case of fire: use water or foam for extinction
- Do not use water jets

5.2 Special hazards arising from the substance or mixture

- Contains combustible material
- Decomposition products may include carbon dioxide
- Decomposition products may include carbon oxides
- Decomposition products may include nitrogen oxides

5.3 Advice for firefighters

- Fight fire with normal precautions from a reasonable distance.
 - Prevent run off water from entering drains if possible
 - Wear chemical protection suit and positive-pressure breathing apparatus
-

6 Accidental release measures

6 Accidental release measures (....)

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8
- Evacuate the area
- Shut off all ignition sources
- Do not breathe dust/fume/gas/mist/vapours/spray.

6.2 Environmental Precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses

6.3 Methods and material for containment and cleaning up

- Absorb spillage in earth or sand
- Collect spillage.
- Dyke to prevent entry to sewer or waterway. Transfer liquid to a holding container
- Place in appropriate 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

7 Handling and storage

7.1 Precautions for safe handling

- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Ensure adequate ventilation
- Eyewash bottles should be available
- Handle and open container with care (S18)
- Proper chemicals handling procedures should be adopted

7.2 Conditions for safe storage, including any incompatibilities

- Keep cool. Protect from sunlight.
- Opened containers should be carefully resealed and stored in an upright position
- Store in a well-ventilated place. Keep container tightly closed.

7.3 Specific end use(s)

8 Exposure controls/personal protection

8.1 Control parameters

- 1,2,4-trimethylbenzene
OES / LTEL 20 ppm 100 mg/m3
OES / STEL 30 ppm 150 mg/m3
- naphthaleneCarc. Cat 3
OES / LTEL 10 ppm 50 mg/m3
OES / STEL 15 ppm 79 mg/m3
- cumene
OES / LTEL 20 ppm 100 mg/m3
OES / STEL 50 ppm 200 mg/m3
- mesitylene

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

OES / LTEL 20 ppm 100 mg/m³

OES / STEL 40 ppm 200 mg/m³

8.2 Exposure controls

- No special precautions are required for this product

Occupational exposure controls

- In case of inadequate ventilation wear respiratory protection.
- Where an air-purifying respirator is suitable, use EN141 or EN405, type A
- Wear suitable protective clothing, including eye/face protection and gloves (nitrile are recommended)



Gloves



Visor



Respirator



Suit

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Aromatic odour
- Appearance: Liquid, amber, insoluble in water
- Flash point 66 deg C (CC) , Flash point 150.8 deg F (CC)

9.2 Other information

- None

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

- Incompatible with oxidizing substances

10.6 Hazardous Decomposition Products

- No hazardous decomposition products known

11 Toxicological information

11.1 Information on toxicological effects

- LC50 (inhalation,rat) Solvent naphtha (petroleum),heavy arom. - >590 mg/l/4h
- LD50 (skin,rabbit) Solvent naphtha (petroleum), heavy arom. - >2 mg/kg

11 Toxicological information (....)

- LD50 (oral,rat) 1,2,4-trimethylbenzene - 50 mg/kg
- LD50 (oral,rat) phenol, 2,6-di-tert-butyl- >5000 mg/kg
- LD50 (oral,rat) naphthalene- 490 mg/kg
- LD50 (oral,rat) cumene- 1400 mg/kg
- LD50 (oral,rat) Polyalkylenepolyamine- 2100 - 3990 mg/kg
- LD50 (oral,rat) phenol, 2,4,6-tris(1,1-dimethylethyl)- 1670 mg/kg

Inhalation

- Causes dizziness, confusion, headache or stupor

Contact with skin

- Repeated exposure may cause skin dryness or cracking.

Contact with eyes

- Causes redness and irritation
- Can cause damage to the eyes

Ingestion

- No information available

Carcinogenicity

- No evidence of carcinogenic effects

Teratogenicity

- No evidence of reproductive effects

Mutagenicity

- No evidence of mutagenic effects
-

12 Ecological information

12.1 Toxicity

- This product contains components which are classified in the EU as dangerous for the environment.

12.2 Persistence and degradability

- Its main ingredients will either dissolve rapidly and dissociate in water or are readily/inherently biodegradable.

12.3 Bioaccumulation Potential

- Bioaccumulation is significant

12.4 Mobility in soil

- Insoluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- No information available
-

13 Disposal considerations

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
-

14 Transport information

Dangerous Substance



ENVIRONMENTALLY HAZARDOUS

14.1 UN Number

- UN3082

14.2 UN Proper Shipping Name

- ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (solvent naphtha (petroleum), heavy arom.)

14.3 Transport hazard class(es)

- 9

14.4 Packing group

- III

14.5 Environmental hazards

- Marine pollutant

14.6 Special precautions for user

- No special precautions are required for this product

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

- Not applicable

Other information

Road/Rail (ADR/RID)

Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (solvent naphtha (petroleum), heavy arom.)		
ADR UN No.:	UN3082	ADR Hazard Class:	9
ADR Packing Group:	III	ADR subrisk:	-
ADR Flashpoint:	-		

Sea (IMDG)

Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. MARINE POLLUTANT (solvent naphtha (petroleum), heavy arom.)		
IMDG UN No.:	UN3082	IMDG Hazard Class.:	9
IMDG Pack Group.:	III	IMDG EmS:	F-A, S-F
IMDG subrisk:	-	IMDG Flashpoint:	-

14 Transport information (....)

Air (ICAO/IATA)

Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (solvent naphtha (petroleum),heavy arom.)		
ICAO Un No.:	UN3082	ICAO Hazard Class.:	9
ICAO Packing Group.:	III	ICAO subrisk:	-
ICAO Flashpoint:	-		

DOT / CFR (US Department of Transportation)

DOT Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (solvent naphtha (petroleum),heavy arom.)		
Hazardous Material:	solvent naphtha (petroleum), heavy arom.		
Hazard Class:	9	Identification Number:	UN3082
Product RQ (lbs):	-	DOT subrisk:	-
DOT Flashpoint:	-		

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.
- This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations

15.2 Chemical Safety Assessment

NONE

16 Other information

Text of R and S phrase codes used in this safety data sheet:- H226: Flammable liquid and vapour.; H302: Harmful if swallowed.; H304: May be fatal if swallowed and enters airways.; H315: Causes skin irritation.; H319: Causes serious eye irritation.; H332: Harmful if inhaled.; H335: May cause respiratory irritation.; H351: Suspected of causing cancer.; 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.; R10: Flammable; R20: Harmful by inhalation; R21/22: Harmful in contact with skin and if swallowed; R22: Harmful if swallowed; R34: Causes burns; R36/37/38: Irritating to eyes, respiratory system and skin; R37: Irritating to respiratory system; R40: Limited evidence of carcinogenic effect; R43: May cause sensitisation by skin contact; R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment; R51/53: Toxic to aquatic organisms, 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 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

16 Other information (....)

The information on ingredients in section 2 concerns the coating of the electrode

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

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

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

For addresses of other Wilhelmsen Ships Service offices, please refer to www.wilhelmsen.com/shipsservice

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