

SAFETY DATA SHEET

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

Product Name: ELECTROSOLV - E
Datasheet Number: 604389 6. 0. 0
Use of the substance/preparation: Cleaning agent
Product Part Number: 604389 (25 liter)
Name of Supplier: Wilhelmsen Maritime Services AS
Address of Supplier: Willem Barentszstraat 50
 3165 AB Rotterdam-Albrandswaard, The Netherlands

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Responsible Person: Leen de Visser, Product HSE Manager, Tel.: +31 6 538 63736
Email: Leen.de.Visser@Wilhelmsen.com
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Address of Manufacturer: P.O.Box 15
 3141 Kjøpmannskjær
 Norway.
Telephone: +47 333 515 00
Emergency Telephone: NCEC: +44 1865 407333, CHEMTREC (800) 424 9300
 American Chemistry Council +1 703 527 3887, Greece +30 210 7793777

2 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Naphtha (petroleum), hydrotreated heavy	60-100	64742-48-9	265-150-3	65, 66	Xn

*See Section 16

3 Hazards identification

- Odour: Smells of hydrocarbon
- Appearance: Liquid, colourless, insoluble in water
- Contact with eyes: Causes irritation
- Contact with skin: Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
- Inhalation: Vapours may cause drowsiness and dizziness (R67), In cases of severe exposure, anaesthesia may develop, In cases of severe exposure, chronic pneumonitis may develop
- Ingestion: The ingestion of significant quantities may cause nausea/vomiting, Harmful: may cause lung damage if swallowed (R65)



Harmful

4 First aid measures

Contact with skin

- Remove contaminated clothing
- Wash affected area with plenty of soap and water
- Contaminated clothing should be laundered before reuse
- Seek medical attention if irritation persists

Contact with eyes

- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- Irrigate eyes thoroughly whilst lifting eyelids
- Seek medical attention if irritation persists

4 First aid measures (....)

Ingestion

- 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
- Give water or milk to drink
- Obtain immediate medical attention

Inhalation

- Remove patient to fresh air
- Keep warm and at rest, in a half upright position. Loosen clothing
- Seek medical attention if ill effects occur

General

- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)
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5 Fire-fighting measures

- Auto-ignition point >200 deg C at 760 mm Hg
 - Lower flammability limit 0.6%(in air), Upper flammability limit 7%(in air), Flash point 63 deg C (CC)
 - Decomposition products may include carbon oxides
 - In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide (S43)
 - Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
 - Keep container(s) exposed to fire cool, by spraying with water
-

6 Accidental release measures

Personal Precautions

- Wear protective clothing as per section 8

Environmental Precautions

- Do not allow to enter public sewers and watercourses

Immediate Actions

- Use appropriate containment to avoid environmental contamination (S57)

Clean Up Actions

- Absorb spillage in inert material and shovel up
- Ventilate the area and wash spill site after material pick-up is complete

Special Precautions

- Wear protective clothing as per section 8
 - Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
 - Wear suitable respiratory protection
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7 Handling and storage

Handling

- Wear protective clothing as per section 8
- During fumigation/spraying wear suitable respiratory equipment (S42)
- Avoid contact with skin and eyes (S24/25)
- Eyewash bottles should be available
- Keep away from sources of ignition - No Smoking (S16)

Storage

- Keep container tightly closed, in a cool, well ventilated place (S3/7/9)
 - Keep away from open flames, hot surfaces and sources of ignition.
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8 Exposure controls and personal protection

Exposure Limits

- TLV (TWA) 275 mg/m³ (White spirit (de-aromatized))

Exposure controls

- No special ventilation is required unless the product is used in a spray form
- The undiluted product must not be used in a confined space without good ventilation

Occupational exposure controls

- Wear suitable protective clothing, including eye/face protection and gloves (neoprene or nitrile are recommended)
 - Respiratory protection may be required under exceptional circumstances when excessive air contamination exists
-

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

- Wear approved respirator if exposure likely to exceed MEL/OES



Respirator



Gloves



Goggles



Suit

9 Physical and chemical properties

- Odour: Smells of hydrocarbon
- Appearance: Liquid, colourless, insoluble in water
- pH - not applicable
- Boiling point 190 °C to 203 °C at 760 mm /Hg
- Vapour pressure 40 Pa at 20 deg C
- Vapour density (air = 1) 5.4
- Freezing point unknown
- Insoluble in water
- Specific gravity (water=1) 0.79
- Lower flammability limit 0.6%(in air), Upper flammability limit 7%(in air), Flash point 63 deg C (CC)
- Auto-ignition point >200 deg C at 760 mm Hg
- Log Pow 3.5 - 4.7
- Viscosity 1.59 cST @ 25 deg C

10 Stability and reactivity

- This article is considered stable under normal conditions
- Avoid overheating, Keep away from naked flames, incandescent or hot surfaces

11 Toxicological information

Toxicological information

- LD50 (oral, rat) >2000 mg/kg
- LD50 (dermal) : >2000 mg/kg
- LC50 (inhalation) : >5 mg/l/4h

Inhalation

- Inhalation of solvent vapours may give rise to nausea, headaches and dizziness

Contact with skin

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

Contact with eyes

- In cases of severe exposure, irritation may develop

Ingestion

- May cause gastro-intestinal disturbances
- Aspiration hazard
- Harmful: may cause lung damage if swallowed (R65)

Carcinogenicity

- No evidence of carcinogenic effects

12 Ecological information

Ecotoxicity

- Low toxicity to fish
- LC50 (rainbow trout) >1000 mg/l (96 hr)
- IC50 (algae) >100 mg/l (72 hr)

Mobility

- Insoluble in water

Persistence and Biodegradability

- Biodegradability 67 % (OECD 301F)

Bioaccumulation Potential

- Low bioaccumulation potential

12 Ecological information (....)

Other Adverse Effects

- No environmental problems are expected when the product is used / handled correctly. In its intended use, the product will not be released into the environment.

13 Disposal considerations

Classification

- EU Waste class: 07.01

Disposal considerations

- 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

14 Transport information

- Not classified as hazardous for transport

15 Regulatory information



Harmful

Risk Phrases

- Harmful: may cause lung damage if swallowed (R65)
- Repeated exposure may cause skin dryness or cracking (R66)

Safety Phrases

- Do not breathe vapour/fumes (S23)
- Avoid contact with skin (S24)
- Wear suitable gloves and eye/face protection (S37/39)
- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label (S62)

16 Other information

Text of R and S phrase codes used in this safety data sheet:- R65: Harmful: may cause lung damage if swallowed; R66: Repeated exposure may cause skin dryness or cracking.

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

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

This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)

This Safety Data Sheet is provided in compliance with The Dangerous Preparations Directive (88/379/EEC)

This Safety Data Sheet is provided in compliance with The Safety Data Sheets Directive (2001/58EC)

Composition information in accordance with Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents:

Aliphatic hydrocarbons > 30 %