
SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: ELECTROSOLV - E
- Product Part Number: 604389 (25 liter)

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

- Use of the substance/mixture:
- Cleaning agent

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Wilhelmsen Ships Service AS
- Address of Supplier: Willem Barentzstraat 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:

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

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
- Harmful: may cause lung damage if swallowed (R65)
- Repeated exposure may cause skin dryness or cracking (R66)
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- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations

SECTION 2 Hazards identification (....)

- Signal Word: Danger
- Symbols: GHS08
- Asp. Tox. 1

2.2 Label elements



- Signal Word: Danger
- Asp. Tox. 1
-
- Contains:
 - Hydrocarbones, C11-C13, isoalkanes, < 2% aromates
 -
- Hazard phrases
 - Repeated exposure may cause skin dryness or cracking (EUH066).
 - May be fatal if swallowed and enters airways (H304).
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- Precautionary Phrases
 - Wear protective gloves/protective clothing/eye protection/face protection (P280).
 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician (P301+P310).
 - Do NOT induce vomiting (P331).
 - If skin irritation occurs: Get medical advice/attention (P332+P313).
 - Store in a well-ventilated place. Keep cool (P403+P235).

2.3 Other hazards

- Not a PBT according to REACH Annex XIII
- Odour: Smells of hydrocarbon
- Contact with skin: May cause redness and irritation
- Inhalation: May cause dizziness, May cause drowsiness

SECTION 3 Composition/information on ingredients

3.1 Mixtures

- Hydrocarbones, C11-C13, isoalkanes, <2% aromates
 - Concentration: 60-100%
 - CAS Number: Not applicable
 - EC Number: 920-901-0
 - R/H Phrases: R65, R66 - H304, EUH066
 - Symbols: Xn, GHS08
 - Categories: Asp. Tox. 1
 - REACH REG. NO: 01-21194568 10-40-0000

SECTION 4 First aid measures

4.1 Description of first aid measures

- Ingestion:

SECTION 4 First aid measures (....)

- Do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention
 - Give water or milk to drink
 - Call a POISON CENTER or doctor/physician (P311).
 - Contact with eyes:
 - If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
 - If eye irritation persists: Get medical advice/attention (P337+P313).
 - Inhalation:
 - Remove patient to fresh air
 - If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P341).
 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician (P342+P311).
 - Contact with skin:
 - Wash with plenty of soap and water (P352).
 - Remove/Take off immediately all contaminated clothing (P361).
 - Contaminated clothing should be laundered before reuse
 - Seek medical attention if irritation persists
- 4.2 Most important symptoms and effects, both acute and delayed
- The ingestion of significant quantities may cause chemical oedema
- 4.3 Indication of any immediate medical attention and special treatment needed
- Treat symptomatically
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SECTION 5 Fire-fighting measures

- 5.1 Extinguishing media
- May be extinguished with water fog/spray. Use alcohol resistant foam if available
 - In case of fire: use water, carbon dioxide or dry agent for extinction (P370+P378)
- 5.2 Special hazards arising from the substance or mixture
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
- 5.3 Advice for firefighters
- Wear chemical protection suit and positive-pressure breathing apparatus
 - 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
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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 release to the environment (P273).
- 6.3 Methods and material for containment and cleaning up
- Absorb spillage in inert material and shovel up
 - Ventilate the area and wash spill site after material pick-up is complete
- 6.4 Reference to other sections
- None
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SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Wear protective clothing as per section 8
- Eyewash bottles should be available
- Do not get in eyes, on skin, or on clothing (P262).
- Keep away from heat/sparks/open flames/hot surfaces. – No smoking (P210).

7.2 Conditions for safe storage, including any incompatibilities

- Keep away from open flames, hot surfaces and sources of ignition.
- Store in a well-ventilated place. Keep container tightly closed (P403+P233).

7.3 Specific end use(s)

- Contact supplier for further information
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SECTION 8 Exposure controls/personal protection

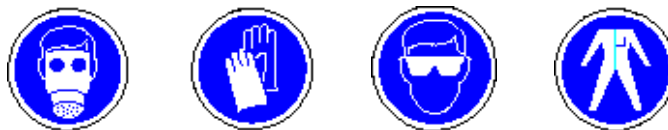
8.1 Control parameters

- Hydrocarbones, C11-C13,
isoalkanes, <2% aromates
TLV (TWA) 275 mg/m3 ()

8.2 Exposure controls

- The undiluted product must not be used in a confined space without good ventilation

8.3 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
 - Wear approved respirator if exposure likely to exceed MEL/OES
 - Wear suitable respiratory protection. Gas cartridge (organic substances).
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SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Smells of hydrocarbon
- Appearance: Liquid, colourless, insoluble in water
- pH - not applicable
- Boiling point 170 °C to 250 °C at 760 mm /Hg
- Insoluble in water
- Density 0.731 - 0.851 g/cm³ at 15 deg C
- Lower flammability limit 0.6%(in air)
- Upper flammability limit 7%(in air)
- Flash point >61 deg C (CC)
- Auto-ignition point >200 deg C

9.2 Other information

- None
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SECTION 10 Stability and reactivity

10.1 Reactivity

SECTION 10 Stability and 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
- Avoid overheating
 - Keep away from naked flames, incandescent or hot surfaces
- 10.5 Incompatible materials
- None
- 10.6 Hazardous Decomposition Products
- No hazardous decomposition products known
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SECTION 11 Toxicological information

- 11.1 Information on toxicological effects
- LD50 (oral, rat) >5000 mg/kg
 - LD50 (skin, rabbit) >5000 mg/kg
- 11.2 Contact with eyes
- In cases of severe exposure, irritation may develop
- 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
- May cause gastro-intestinal disturbances
 - Aspiration hazard
 - The ingestion of significant quantities may cause chemical oedema
- 11.5 Inhalation
- Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
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SECTION 12 Ecological information

- 12.1 Toxicity
- Biodegradability. OECD-test. 28 days 31,3 % (Exxon)
 - LC50 (fish) >1000 mg/l (96 hr)
 - IC50 (algae) >1000 mg/l (72 hr)
 - EC50 (daphnia) >1000 mg/l (48 hr)
- 12.2 Persistence and degradability
- Biodegradable
- 12.3 Bioaccumulation Potential
- Bioaccumulation is insignificant
- 12.4 Mobility in soil
- Insoluble in water
 - Large volumes may penetrate soil and contaminate groundwater
 - Substance remaining on soil surface evaporated within one day
- 12.5 Results of PBT and vPvB assessment
- Not a PBT according to REACH Annex XIII
- 12.6 Other Adverse Effects

SECTION 12 Ecological information (....)

- No information available
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SECTION 13 Disposal considerations

13.1 Waste treatment methods

- 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

13.2 Classification

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

14.1 UN

- UN No.: Not applicable
- Proper Shipping Name: Not applicable
- Hazard Class: Not applicable
- Packing Group: Not applicable

Not classified as hazardous for transport

14.2 Environmental hazards

- Not Classified
- On available data, substance is not harmful to the environment

14.3 Special precautions for user

- Not classified as hazardous for transport

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.: Not applicable
- Proper Shipping Name: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable

14.6 Sea (IMDG)

- IMDG UN No.: Not applicable
- Proper Shipping Name: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Pack Group.: Not applicable
- IMDG EmS: Not applicable

14.7 Air (ICAO/IATA)

- ICAO UN No.: Not applicable
- Proper Shipping Name: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO Packing Group: Not applicable

14.8 DOT / CFR (US Department of Transportation)

- Identification Number: Not applicable
 - DOT Proper Shipping Name: Not applicable
 - DOT Labels: Not applicable
 - 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

- Composition information in accordance with EC Regulation 648/2004 of the European Parliament and of the Council of 31st March 2004 on detergents:
- Aliphatic hydrocarbons >30 %
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- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Dangerous Substances Directive (67/548/EEC). Classification, packaging and labelling of dangerous substances
- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010
- Danish PR number: 2398375

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. H304: May be fatal if swallowed and enters airways. 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 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

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

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SECTION 16 Other information (....)

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