

SAFETY DATA SHEET

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

Product Name:	ELECTROSOLV - E
Datasheet Number:	604389 15. 0. 0
Use of the substance/preparation:	Cleaning agent
Product Part Number:	604389 (25 liter)
Head Office::	Wilhelmsen Ships Service AS
address:	Strandveien 20, N1324 Lysaker, Norway, Tel (+47) 67 58 45 50
Name of Supplier:	Wilhelmsen Ships Service AS
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Telephone:	+31 10 4877 777
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Responsible Person:	Patrick Rijdsdijk, Product HSE Manager, Tel.:+31 6 349 440 35
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2 Hazards identification



Harmful



- Signal Word: Danger
- Odour: Smells of hydrocarbon
- Appearance: Liquid, colourless, insoluble in water
- Contact with eyes: May cause redness and irritation
- Inhalation: May cause dizziness, May cause drowsiness

Classification of the substance or mixture

- 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

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- Asp. Tox. 1
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Hazard phrases

- Repeated exposure may cause skin dryness or cracking.
- May be fatal if swallowed and enters airways.

Precautionary Phrases

- Wear protective gloves/protective clothing/eye protection/face protection.
- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- Do NOT induce vomiting.
- If skin irritation occurs: Get medical advice/attention.
- Store in a well-ventilated place. Keep cool.

2 Hazards identification (....)

Risk Phrases

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

Safety Phrases

- Do not breathe spray/mists (S23)
- Do not breathe vapour/fumes (S23)
- Avoid contact with skin (S24)
- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label (S62)

3 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Hydrocarbones, C11-C13, isoalkanes, <2% aromates	60-100		920-901-0	R65, 66	Xn
REACH No.: 01-21194568 10-40-0000				Asp.Tox 1: H304 EUH066	GHS08

*See Section 16

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

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)

5 Fire-fighting measures

- Auto-ignition point >200 deg C
- Lower flammability limit 0.6%(in air), Upper flammability limit 7%(in air), Flash point >61 deg C (CC)
- 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

5 Fire-fighting measures (....)

- Keep container(s) exposed to fire cool, by spraying with water
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6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8

Immediate Actions

- Use appropriate containment to avoid environmental contamination (S57)

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

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

Precautions for safe 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)

Conditions for safe storage, including any incompatibilities

- 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/personal protection

Control parameters

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

Exposure controls

- 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
- 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 170 °C to 250 °C at 760 mm /Hg
 - Insoluble in water
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9 Physical and chemical properties (....)

- 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
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10 Stability and reactivity

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

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
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12 Ecological information

Ecotoxicity

- LC50 (fish) >1000 mg/l (96 hr)
- IC50 (algae) >1000 mg/l (72 hr)
- EC50 (daphnia) >1000 mg/l (48 hr)
- Biodegradability. OECD-test. 28 days 31,3 % (Exxon)

Persistence and degradability

- Biodegradable

Bioaccumulation Potential

- Bioaccumulation is insignificant

Mobility in soil

- Insoluble in water
 - Large volumes may penetrate soil and contaminate groundwater
 - Substance remaining on soil surface evaporated within one day
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13 Disposal considerations

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

Classification

- EU Waste class: 07.01
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14 Transport information

14 Transport information (....)

Special precautions for user

- Not classified as hazardous for transport
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15 Regulatory information

Classification and labelling

- Signal Word: Danger
- 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

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

- This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)
 - This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.
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 - 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 %
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16 Other information

Text of R and S phrase codes used in this safety data sheet:- EUH066: Repeated exposure may cause skin dryness or cracking.; H304: May be fatal if swallowed and enters airways.; R1: Explosive when dry; 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