
SAFETY DATA SHEET

SECTION 1 Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

- Product Name: UNIROL 3 PCT
- Product Part Number: 592204 (20 liter), 556084 (200 liter)

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

- Use of the substance/mixture:
- Fire fighting foam concentrate

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
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- Other suppliers SEE SECTION 16!!!
- For quotations contact your local Customer Services
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- Responsible Person: Product HSE Manager,
- Email: Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com
- Telephone: Tel.: +31 10 4877775

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.
- Dangerous Substances Directive (67/548/EEC). Classification, packaging and labelling of dangerous substances
- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R52/53)
- Not classified as hazardous for users
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- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Signal Word: Warning

SECTION 2 Hazards identification (....)

- Symbols: GHS07
- Skin Irrit. 2
- Eye Irrit. 2
- Aquatic Chronic 3
- Causes skin irritation (H315).
- Causes serious eye irritation (H319).
- Harmful to aquatic life with long lasting effects (H412).
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2.2 Label elements



- Signal Word: Warning
- Hazard phrases
 - Causes skin irritation (H315).
 - Causes serious eye irritation (H319).
 - Harmful to aquatic life with long lasting effects (H412).
- Precautionary Phrases
 - Wash hands and working surfaces thoroughly after handling (P264).
 - Avoid release to the environment (P273).
 - Wear protective gloves/protective clothing/eye protection/face protection (P280).
 - IF ON SKIN: Wash with plenty of soap and water (P302+P352).
 - If skin irritation occurs: Get medical advice/attention (P332+P313).
 - Take off contaminated clothing and wash before reuse (P362).
 - 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).

2.3 Other hazards

- Not applicable
- Not a PBT according to REACH Annex XIII
- Odour: Slight smell of solvent
- Appearance: Liquid, dark, brown

SECTION 3 Composition/information on ingredients

3.1 Mixtures

- Sodium Cumene Sulfonate
 - Concentration: 1 - 5 %
 - CAS Number: 28348-53-0
 - EC Number: 248-983-7
 - R/H Phrases: R36/37/38 - H319, H335
 - Symbols: Xi, GHS07
 - Categories: Eye Irrit. 2, STOT SE 3
- calcium chloride
 - Concentration: 1-5%
 - CAS Number: 10043-52-4
 - EC Number: 233-140-8
 - R/H Phrases: H319, R36

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

Symbols: GHS07, Xi

Categories: Eye Irrit. 2

REACH REG. NO: 017-013-00-2

- zinc chloride
Concentration: 1-5%
CAS Number: 7646-85-7
EC Number: 231-592-0
R/H Phrases: H302,H314,H400,H410, R22,R34,R50/53
Symbols: GHS05,GHS07,GHS09, C, N
Categories: Acute Tox. 4 Skin Corr. 1B Aquatic Acute 1 Aquatic Chronic 1
REACH REG. NO: 030-003-00-2
 - Perfluoro Telomer
Concentration: <1%
CAS Number: Not applicable
EC Number: Not applicable
R/H Phrases: R36/37/38 - H302 H315 H320 H335
Symbols: Xi, GHS07
Categories: Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3
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SECTION 4 First aid measures**4.1 Description of first aid measures**

- IF ON SKIN: Wash with plenty of soap and water (P302+P352).
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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 substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- Irrigate eyes thoroughly whilst lifting eyelids
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- Inhalation is unlikely to occur
- Remove patient to fresh air
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- IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
- Give plenty of water to drink
- Never give anything by mouth to an unconscious person
- Never make an unconscious person vomit or drink fluids
- Obtain immediate medical attention
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- When in doubt or symptoms persist, seek medical attention

4.2 Most important symptoms and effects, both acute and delayed

- Possible redness and irritation of affected areas

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5 Fire-fighting measures**5.1 Extinguishing media**

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

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

- Not applicable
- 5.3 Advice for firefighters
- Prevent run off water from entering drains if possible
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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
- Do not flush spilt material into any public water system
- 6.3 Methods and material for containment and cleaning up
- Absorb spillage in suitable inert material
 - Sweep or shovel-up spillage and remove to a safe place
 - 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
- See Section 8
- 7.2 Conditions for safe storage, including any incompatibilities
- Protect from frost
 - Do not store above 50 °C
- 7.3 Specific end use(s)
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SECTION 8 Exposure controls/personal protection

- 8.1 Control parameters
- Zinc chloride
TLV (TWA) 1 mg/m³ ()
- 8.2 Exposure controls
- No special precautions are required for this product
- 8.3 Occupational exposure controls



- Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)
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SECTION 9 Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- Odour: Slight smell of solvent
 - Appearance: Liquid, dark, brown
 - pH 7 at 100 % concentration
 - Boiling point 100 °C to 760 °C
 - Freezing point
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SECTION 9 Physical and chemical properties (....)

- Completely soluble in water
- Specific gravity (water=1) 1.16

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

- No special precautions are required for this product

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) >2000 mg/kg
- Inhalation
Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
- Contact with skin
In cases of severe exposure, redness and irritation may develop
- Contact with eyes
May cause redness and irritation
- Ingestion
May cause gastro-intestinal disturbances
The ingestion of significant quantities may cause diarrhoea
- Carcinogenicity
No evidence of carcinogenic effects

11.2 Contact with eyes

- May cause redness and irritation

11.3 Contact with skin

- In cases of severe exposure, redness and irritation may develop

11.4 Ingestion

- May cause gastro-intestinal disturbances
- The ingestion of significant quantities may cause diarrhoea

11.5 Inhalation

- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
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SECTION 12 Ecological information

SECTION 12 Ecological information (....)

12.1 Toxicity

- LC50 (fish) >1000 mg/l (

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 of the components in this product is insignificant.

12.4 Mobility in soil

- Completely soluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- No environmental problems are expected when the product is used / handled correctly.
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SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Do not discharge into drains or the environment, dispose to an authorised waste collection point

13.2 Classification

- EU Waste class: -
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SECTION 14 Transport information

Not classified as hazardous for transport

14.1 UN

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

14.2 Environmental hazards

- Not Classified

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
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SECTION 14 Transport information (....)

- 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**

- 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.

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:- H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H315: Causes skin irritation. H319: Causes serious eye irritation. H320: Causes eye irritation. H335: May cause respiratory irritation. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects. R22: Harmful if swallowed. R34: Causes burns. R36: Irritating to eyes. R36/37/38: Irritating to eyes, respiratory system and skin. R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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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