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**SAFETY DATA SHEET**

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

## 1.1 Product identifier

- Product Name: MULTICLEAN
- Product Part Number: 777708

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

- Use of the substance/preparation:
- Cleaning agent

## 1.3 Details of the supplier of the safety data sheet

Name of Supplier:

Head Office:

Wilhelmsen Ships Service AS  
Strandveien 20, N1324 Lysaker,  
Norway Tel: (47) 6349 440 35

Supplier:

Wilhelmsen Ships Service AS  
Willem Barentszstraat 50  
3165AB Rotterdam  
Telephone: +31 4877 777  
Fax: +31 4877 888  
The Netherlands

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

## 1.4 Emergency telephone number

Emergency Telephone: -ONLY TO BE USED IN CASE OF AN INCIDENTNCEC:+

44 1865 407333, CHEMTREC (800) 424 9300

American Chemistry Council +1 703 527 3887,

Greece +30 210 7793777Australia: +61 3 9630 0998

Giftinformasjonsentralen in Norway Tel.: +47 22591300

Wilhelmsen Ships Service, Melbourne, AUSTRALIA Emergency 24hrs: +61 3 9630 0998

**\*\*FOR QUOTATIONS PLEASE CONTACT YOUR LOCAL CUSTOMER SERVICES\*\*****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)
- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R52/53)
- Contains Orange sweet extract. May produce an allergic reaction.
- Not classified as hazardous for supply
- 
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations

**SECTION 2 Hazards identification (....)**

- Symbols: GHS07
- Signal Word: Warning
- Eye Irrit. 2
- Skin Sens. 1
- Aquatic Chronic 3
- Causes serious eye irritation (H319).
- May cause an allergic skin reaction (H317).
- Harmful to aquatic life with long lasting effects (H412).

**2.2 Label elements**

- Signal Word: Warning
- Eye Irrit. 2
- Skin Sens. 1
- Aquatic Chronic 3
- 
- Contains:
- Fatty alcohol ethoxylates
- 2-(2-Butoksyethoxy)ethanol
- Contains Orange sweet extract. May produce an allergic reaction.
- 
- Hazard phrases
  - Causes serious eye irritation (H319).
  - May cause an allergic skin reaction (H317).
  - Harmful to aquatic life with long lasting effects (H412).
- Precautionary Phrases
  - Wear protective gloves/protective clothing/eye protection/face protection (P280).
  - 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).
  - Dispose of contents/container to an authorised waste collection point (P501)

**2.3 Other hazards**

- Not applicable
- Not a PBT according to REACH Annex XIII
- Odour: Sweet-smelling
- Appearance: Liquid, pale yellow

**SECTION 3 Composition/information on ingredients****3.1 Mixtures**

- Fatty alcohol ethoxylates
  - Concentration: 1-5%
  - CAS Number: 160875-66-1
  - EC Number: Not applicable
  - R/H Phrases: R22, R41 - H302, H318
  - Symbols: Xn, GHS07, GHS05
  - Categories: Acute Tox. 4, Eye Dam. 1
- 2-(2-Butoksyethoxy)ethanol
  - Concentration: 1-5%
  - CAS Number: 112-34-5
  - EC Number: 203-961-6
  - R/H Phrases: R36
  - Symbols: Xi, GHS07

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

- Categories: Eye Irrit. 2
- Orange Sweet Extract
- Concentration: 0-1%  
CAS Number: 8028-48-6  
EC Number: 232-433-8  
R/H Phrases: R10, 38, 43  
R50/53, 65  
Symbols: Xn, N, GHS02, GHS09, GHS08, GHS07  
Categories: Flam. Liq. 3, Asp. Tox. 1, Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 1, Aquatic Acute 1
- 

**SECTION 4 First aid measures**

## 4.1 Description of first aid measures

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
- When in doubt or symptoms persist, seek medical attention
- 
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).
- When in doubt or symptoms persist, seek medical attention
- 
- IF ON SKIN: Wash with plenty of soap and water (P302+P352).
- When in doubt or symptoms persist, seek medical attention
- 
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
- Never make an unconscious person vomit or drink fluids
- Give plenty of water to drink
- When in doubt or symptoms persist, seek medical attention

## 4.2 Most important symptoms and effects, both acute and delayed

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

## 4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
- 

**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

- Smoke from fires is irritating

## 5.3 Advice for firefighters

- Wear Positive-Pressure Breathing Apparatus
- 

**SECTION 6 Accidental release measures**

## 6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8
- Remove contaminated clothing
- Wash thoroughly after dealing with spillage

## 6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses
  - Do not flush spilt material into any public water system
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**SECTION 6 Accidental release measures (....)**

## 6.3 Methods and material for containment and cleaning up

- Absorb spillage in earth or sand
- Ventilate the area and wash spill site after material pick-up is complete

## 6.4 Reference to other sections

- See Section 13
- 

**SECTION 7 Handling and storage**

## 7.1 Precautions for safe handling

- Eyewash bottles should be available
- Proper chemicals handling procedures should be adopted
- Avoid breathing dust/fume/gas/mist/vapours/spray (P261).

## 7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place
- Protect from frost

## 7.3 Specific end use(s)

- Contact supplier for further information
- 

**SECTION 8 Exposure controls/personal protection**

## 8.1 Control parameters

- 2-(2-Butoksyethoxy)ethanol  
TLV (TWA) 68 mg/m<sup>3</sup> ( )

## 8.2 Exposure controls

- No special precautions are required for this product

## 8.3 Occupational exposure controls



- Wear goggles giving complete eye protection
  - Wear neoprene or nitrile gloves
  - Respiratory protection may be required under exceptional circumstances when excessive air contamination exists
  - Wear suitable respiratory protection. Gas cartridge (organic substances).
- 

**SECTION 9 Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

- Odour: Sweet-smelling
- Appearance: Liquid, pale yellow
- pH 11,5
- Boiling point 100 °C to 760 °C
- Completely soluble in water
- Density 1,01 - 1,02 g/cm<sup>3</sup> at 20 deg C

## 9.2 Other information

- None
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**SECTION 10 Stability and reactivity**

**SECTION 10 Stability and reactivity (....)**

## 10.1 Reactivity

- This article is considered stable under normal conditions

## 10.2 Chemical stability

- This article is 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 frost

## 10.5 Incompatible materials

- None

## 10.6 Hazardous Decomposition Products

- No hazardous decomposition products known
- 

**SECTION 11 Toxicological information**

## 11.1 Information on toxicological effects

- LD50 (oral,rat) (Fatty alcohol ethoxylate) 300-2000 mg/kg
- LD50 (oral,rat) (2-(2-Butoksyethoxy)ethanol) >2000 mg/kg

## 11.2 Contact with eyes

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

## 11.3 Contact with skin

- May cause irritation

## 11.4 Ingestion

- Not regarded as a potential route of exposure.
- May cause irritation

## 11.5 Inhalation

- May cause irritation
- 

**SECTION 12 Ecological information**

## 12.1 Toxicity

- LC50 (fish) 1-10 mg/l ((Fatty alcohol ethoxylate) 96 hr)
- LC50 (fish) 0,619-0,796 mg/l ((Orange sweet extract - Pimephales promelas)) 96 hr)
- Biodegradability. OECD-test. 28 days >60 % (Fatty alcohol ethoxylate)
- Biodegradability. OECD-test. 28 days >60 % (Orange sweet extract)
- Biodegradability. OECD-test. 28 days >60 % (2-(2-Butoksyethoxy)ethanol)

## 12.2 Persistence and degradability

- The components in this product are readily biodegradable.

## 12.3 Bioaccumulation Potential

- Not applicable

## 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 information available
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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 untreated concentrate into drains

## 13.2 Classification

- EU Waste class: 07 06 01
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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 Classified
- Not applicable
- 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
- ADR subrisk: Not applicable
- ADR Flashpoint: 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
- IMDG subrisk: Not applicable
- IMDG Flashpoint: 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
- ICAO subrisk: Not applicable
- ICAO Flashpoint: 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
  - Hazardous Material: Not applicable
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**SECTION 14 Transport information (....)**

- Hazard Class: Not applicable
  - DOT subrisk: Not applicable
  - DOT Flashpoint: 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.
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Refer to current The Dangerous Substances Directive (67/548/EEC)
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Composition information in accordance with EC Regulation 648/2004 of the European Parliament and of the Council of 31st March 2004 on detergents:
  - Nonionic surfactants <5 %
  - Amphoteric surfactants <5 %
- Does not contain phosphate.
- 
- This composition meets the criteria for not being harmful to the marine environment according to MARPOL Annex V and may be discharged into the sea when used to clean cargo holds and external surfaces on ships.

## 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. H318: Causes serious eye damage. R10: Flammable. R22: Harmful if swallowed. R36: Irritating to eyes. R41: Risk of serious damage to eyes.

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

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**SECTION 16 Other information (....)**

The most up-to-date version of this MSDS can be found on [www.wilhelmsen.com/shipsservice](http://www.wilhelmsen.com/shipsservice)

**OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES**

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