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**SAFETY DATA SHEET**

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

- Product Name: DECK CLEAN NP
- Product Part Number: 765990 (25L)

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

- Use of the substance/mixture:
- Acid Cleaner

**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
- 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\*\*\*\*
- 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

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**SECTION 2 Hazards identification****2.1 Classification of the substance or mixture**

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Not hazardous according to current The Dangerous Substances Directive (67/548/EEC)
- Symbols: C
- Causes burns (R34)
-

## SECTION 2 Hazards identification (....)

- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Symbols: GHS05
- Signal Word: Danger
- Skin Corr. 1B
- Met. Corr. 1
- 

### 2.2 Label elements



- Signal Word: Danger
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- Contains:
- Methanesulphonic acid - 2-(2-Butoxyethoxy)ethanol
- 
- Hazard phrases
  - Causes severe skin burns and eye damage (H314).
  - May be corrosive to metals (H290).
- 
- 
- Precautionary Phrases
  - Wear protective gloves/protective clothing/eye protection/face protection (P280).
  - IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
  - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower (P303+P361+P353).
  - 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 exposed: Call a POISON CENTER or doctor/physician (P307+P311).

### 2.3 Other hazards

- Not a PBT according to REACH Annex XIII
- Odour: Perceptible odour
- Appearance: colourless
- Inhalation: Vapours or aerosols may cause irritation of eyes, nose and
- Ingestion: The ingestion of significant quantities may cause damage to digestive system

## SECTION 3 Composition/information on ingredients

### 3.1 Mixtures

- Methanesulphonic acid
  - Concentration: 10-30%
  - CAS Number: 75-75-2
  - EC Number: 200-898-6
  - R/H Phrases: R34 - H314, H290
  - Symbols: C, GHS05
  - Categories: Skin Corr. 1B, Met. Corr. 1
  - REACH REG. NO: 01-21194116 6-34
- 2-(2-butoxyethoxy)ethanol

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

Concentration: 1-5%  
CAS Number: 112-34-5  
EC Number: 203-961-6  
R/H Phrases: R36 - H319  
Symbols: Xi, GHS07  
Categories: Eye Irrit. 2

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**SECTION 4 First aid measures****4.1 Description of first aid measures**

- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower (P303+P361+P353).
- Seek medical advice if necessary
- Wash contaminated clothing before reuse (P363).
- 
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
- Irrigate eyes thoroughly whilst lifting eyelids
- Seek immediate medical attention
- 
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
- Give plenty of water to drink
- Never make an unconscious person vomit or drink fluids
- Seek immediate medical attention
- 
- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).
- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
- Seek medical attention if irritation persists

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

- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
- Prolonged skin or eye contact may cause chemical burns
- The ingestion of significant quantities may cause damage to digestive system

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

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**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 toxic. Take precautions to protect personnel from exposure
- Smoke from fires is corrosive. Take precautions to protect personnel from exposure

**5.3 Advice for firefighters**

- Wear chemical protection suit and positive-pressure breathing apparatus
- Smoke from fires is corrosive. Take precautions to protect personnel from exposure
- Smoke from fires is toxic. Take precautions to protect personnel from exposure
- Keep container(s) exposed to fire cool, by spraying with water

## SECTION 6 Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Wear suitable respiratory protection
- 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

- Neutralise with Lime
- Neutralise with Soda ash
- 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
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## SECTION 7 Handling and storage

### 7.1 Precautions for safe handling

- Ensure adequate ventilation
- Wear protective clothing as per section 8
- Do not get in eyes, on skin, or on clothing (P262).

### 7.2 Conditions for safe storage, including any incompatibilities

- Keep in acid store
- Protect from frost
- Keep only in original container (P234).
- Keep cool. Protect from sunlight (P235+P410).
- Keep in a cool, dry, well ventilated place

### 7.3 Specific end use(s)

- Contact supplier for further information
- 

## SECTION 8 Exposure controls/personal protection

### 8.1 Control parameters

- CAS:112-34-5  
Lowest value: TLV (TWA) 10 ppm, 50mg/m<sup>3</sup>  
European Union: TLV (TWA) 10 ppm, 67,5 mg/m<sup>3</sup>

### 8.2 Exposure controls

- Ensure adequate ventilation

### 8.3 Occupational exposure controls



- In case of inadequate ventilation wear respiratory protection (P285).
  - Wear suitable respiratory protection. Gas cartridge (acid gases).
  - Wear suitable protective clothing, including eye/face protection and gloves (neoprene or nitrile are recommended)
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## SECTION 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Odour: Perceptible odour
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**SECTION 9 Physical and chemical properties (....)**

- Appearance: colourless
- pH 1.5 - 2.5 at 1 % concentration
- Boiling point >100 °C
- Completely soluble in water
- Density 1,1 - 1,11 kg/m<sup>3</sup> at 20 °C

## 9.2 Other information

- None
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**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

## 10.5 Incompatible materials

- Avoid contact with metals
- Contact with metals may form explosive gases
- Incompatible with alkalis (strong bases)

## 10.6 Hazardous Decomposition Products

- No hazardous decomposition products known
- 

**SECTION 11 Toxicological information**

## 11.1 Information on toxicological effects

- No experimental data available

## 11.2 Contact with eyes

- Can cause damage to the eyes
- Prolonged skin or eye contact may cause chemical burns

## 11.3 Contact with skin

- Can cause damage to the skin
- Prolonged skin or eye contact may cause chemical burns

## 11.4 Ingestion

- Not regarded as a potential route of exposure.
- The ingestion of significant quantities may cause damage to mucous membranes

## 11.5 Inhalation

- In cases of severe exposure, irritation may develop
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**SECTION 12 Ecological information**

## 12.1 Toxicity

- LC50 (fish) (2-(2-butoksyetoksyetanol)) 2500 mg/l (96 hr)
- EC50 (daphnia) 2-(2-butoksyetoksyetanol)) >1000 mg/l (48 hr)
- Biodegradability. OECD-test. > 70% OECD 302B, CAS: 112-43-5
- LC50 (fish) (Methane Sulphonic acid) 73 mg/l (96 hr)
- Biodegradability. OECD-test. 28 days >60 % (Methane Sulphonic acid)

## 12.2 Persistence and degradability

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**SECTION 12 Ecological information (....)**

- 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 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**

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**SECTION 14 Transport information****14.1 UN**

- UN No.: UN3265
- Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s. (Methanesulphonic acid solution)
- Hazard Class: 8
- Packing Group: III

**14.2 Environmental hazards**

- Presents no hazard to the environment

**14.3 Special precautions for user**

- No special precautions are required for this product

**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.: UN3265
- Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s. (Methanesulphonic acid solution)
- ADR Hazard Class: 8
- ADR Packing Group: III
- ADR subrisk: N/A
- ADR Flashpoint: N/A

**14.6 Sea (IMDG)**

- IMDG UN No.: UN3265

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**SECTION 14 Transport information (....)**

- Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s.  
(Methanesulphonic acid solution)
- IMDG Hazard Class: 8
- IMDG Pack Group: III
- IMDG EmS: F-A, S-B
- IMDG subrisk: N/A
- IMDG Flashpoint: N/A

**14.7 Air (ICAO/IATA)**

- ICAO UN No.: UN3265
- Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s.  
(Methanesulphonic acid solution)
- ICAO Hazard Class: 8
- ICAO Packing Group: III
- ICAO subrisk: N/A
- ICAO Flashpoint: N/A

**14.8 DOT / CFR (US Department of Transportation)**

- Identification Number: UN3265
  - DOT Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s.  
(Methanesulphonic acid solution)
  - DOT Labels:
  - Product RQ (lbs): N/A
  - Hazardous Material: Methanesulphonic acid
  - Hazard Class: 8
  - DOT subrisk: N/A
  - DOT Flashpoint: N/A
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**SECTION 15 Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- 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: 2398383
- Norwegian Productregistration no: 301100
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- 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:- H290: May be corrosive to metals. H314: Causes severe skin burns and eye damage. H319: Causes

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

serious eye irritation. R34: Causes burns. R36: Irritating 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

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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