
SAFETY DATA SHEET

This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010

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

1.1 Product identifier

- Product Name: TANKLEEN ADVANCE
- Product Part Number: 571489 (200L)

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

- Use of the substance/mixture:
- Degreaser
- Microemulsion

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****
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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
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- The Netherlands: National Poisons Information Centre + 31 30 274 88 88

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

SECTION 2 Hazards identification (....)

- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Signal Word: Danger
- Symbols: GHS09, GHS05
- May cause an allergic skin reaction (H317).
- Causes serious eye damage (H318).
- Toxic to aquatic life with long lasting effects (H411).
- Skin Sens. 1
- Eye Dam. 1
- Aquatic Chronic 2
-

2.2 Label elements

- Signal Word: Danger
-
- Contains:
- Fatty alcohol ethoxylates
- C6-Alkylglucoside
- Primary C9-C11 alcholethoxylate
- Orange Sweet Extract
- 2-(2-butoxyethoxy)ethanol
- Hazard phrases
 - May cause an allergic skin reaction (H317).
 - Causes serious eye damage (H318).
 - Toxic to aquatic life with long lasting effects (H411).
- Precautionary Phrases
 - Wear protective gloves/protective clothing/eye protection/face protection (P280).
 - 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 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 a PBT according to REACH Annex XIII
- Odour: Sweet-smelling
- Appearance: Liquid, soluble in water, colourless
- Inhalation: Mildly irritating to respiratory system
- Ingestion: May cause gastro-intestinal disturbances

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

- Orange Sweet Extract

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

Concentration: 5-10%

CAS Number: 8028-48-6

EC Number: 232-433-8

H Phrases: H226, H304, H315, H317, H410, H400

Symbols: GHS02, GHS09, GHS08, GHS07

Categories: Flam. Liq. 3, Asp. Tox. 1, Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 1, Aquatic Acute 1

- Fatty alcohol ethoxylate
 - Concentration: 10-30%
 - CAS Number: 160875-66-1
 - EC Number:
 - H Phrases: H302, H318
 - Symbols: GHS07, GHS05
 - Categories: Acute Tox. 4, Eye Dam. 1
 - C6 Alkylglucoside
 - Concentration: 1-5%
 - CAS Number: 54549-24-5
 - EC Number: 259-217-6
 - H Phrases: H318
 - Symbols: GHS05
 - Categories: Eye Dam. 1
 - 2-(2-butoxyethoxy)ethanol
 - Concentration: 1-5%
 - CAS Number: 112-34-5
 - EC Number: 203-961-6
 - H Phrases: H319
 - Symbols: GHS07
 - Categories: Eye Irrit. 2
 - Primary C9-C11 alcoholethoxylate
 - Concentration: 1-5%
 - CAS Number: 68439-46-3
 - EC Number: Not applicable
 - H Phrases: H315, H318
 - Symbols: GHS05
 - Categories: Eye Dam. 1, Skin Irrit. 2
-

SECTION 4 First aid measures

4.1 Description of first aid measures

- IF ON SKIN: Wash with plenty of soap and water (P302+P352).
- Contaminated clothing should be laundered before reuse
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SECTION 4 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).
 - Irrigate eyes thoroughly whilst lifting eyelids
 - Obtain 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 medical attention if irritation persists
 -
 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).
 - When in doubt or symptoms persist, seek medical attention
- 4.2 Most important symptoms and effects, both acute and delayed
- Can cause damage to the eyes
- 4.3 Indication of any immediate medical attention and special treatment needed
- No information available
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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 irritating
- 5.3 Advice for firefighters
- Wear Positive-Pressure Breathing Apparatus
 - In the event of an adjacent fire, cool containers with water spray
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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 allow to enter public sewers and watercourses
- 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
- See Section 13
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SECTION 7 Handling and storage

- 7.1 Precautions for safe handling
- Wear protective clothing as per section 8
 - Do not get in eyes, on skin, or on clothing (P262).
 - Eyewash bottles should be available
-

SECTION 7 Handling and storage (....)

7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep cool (P403+P235).
- Store in a dry place. Store in a closed container (P402+P404).
- Protect from frost

7.3 Specific end use(s)

- Contact supplier for further information
-

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

- Orange Sweet Extract
TLV (TWA) 275 mg/m³ (Norwegian)
- 2-(2-butoxyethoxy)ethanol
TLV (TWA) 67,5 mg/m³ (Danish, EU, UK)
TLV (TWA) 68 mg/m³ (Norwegian)
TLV (TWA) 50 mg/m³ (Dutch)

8.2 Exposure controls

- No special ventilation is required unless the product is used in a spray form

8.3 Occupational exposure controls



- Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)
 - Penetration time of glove material:
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
 - No respiratory protection is required unless subject to contact with substance mist
 - 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, soluble in water, colourless
- pH ~7,5 at 100 % concentration
- Boiling point >100 °C to 760 °C
- Density: Density 0,990 - 1,000 g/cm³ at 20 deg C
- Vapour pressure - not known

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

- 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

- 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) (Fatty alcohol ethoxylate) 300- 2000 mg/kg
- LD50 (oral,rat) (Alkylglucoside) >2000 mg/kg
- LD50 (oral,rat) (Limonene) 4400 mg/kg

11.2 Contact with eyes

- May cause severe irritation
- Can cause damage to the eyes

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

- No effects for small dosage. Large dose effects not known
- May cause gastro-intestinal disturbances

11.5 Inhalation

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

12.1 Toxicity

- LC50 (fish) (Alcohol ethoxylate) 1-100 mg/l (96 hr)
- LC50 (fish) (Alkylglucoside) >100 mg/l (96 hr)
- LC50 (fish) (Oncorhyncus mykiss, Orange sweet ext.) - 0,619 - 0,796 mg/l (96 hr)
- LC50 (fish) (...alaninate) 1-10 mg/l (96 hr)
- LC50 (fish) (2-(2-butoxyethoxy)ethanole) 1300 mg/l (96 hr)

12.2 Persistence and degradability

- The components in this product are readily 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

SECTION 12 Ecological information (....)

- 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

- 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 06 01
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SECTION 14 Transport information

14.1 UN

- UN No.: UN3082
- Proper Shipping Name: Environmentally hazardous substances, liquid N.O.S. (Orange Sweet Extract)
- Hazard Class: 9
- Packing Group: III

14.2 Environmental hazards

- Road/Rail (ADR/RID)
- ENVIRONMENTALLY HAZARDOUS
-
- Sea (IMDG)
- Marine pollutant

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.: UN3082
- Proper Shipping Name: Environmentally hazardous substances, liquid N.O.S. (Orange Sweet Extract)
- ADR Hazard Class: 9
- ADR Packing Group: III
- ADR subrisk: -
- ADR Flashpoint: -

14.6 Sea (IMDG)

- IMDG UN No.: UN3082
 - Proper Shipping Name: Environmentally hazardous substances, liquid N.O.S. (Orange Sweet Extract)
 - IMDG Hazard Class: 9
-

SECTION 14 Transport information (....)

- IMDG Pack Group.: III
- IMDG EmS: F-A, S-F
- IMDG subrisk: -
- IMDG Flashpoint: -

14.7 Air (ICAO/IATA)

- ICAO UN No.: UN3082
- Proper Shipping Name: Enviromentally hazardous substances, liquid N.O.S. (Orange Sweet Extract)
- ICAO Hazard Class: 9
- ICAO Packing Group: III
- ICAO subrisk: -
- ICAO Flashpoint: -

14.8 DOT / CFR (US Department of Transportation)

- Identification Number: UN3082
 - DOT Proper Shipping Name: Enviromentally hazardous substances, liquid N.O.S. (Orange Sweet Extract)
 - DOT Labels: 9
 - Product RQ (lbs): -
 - Hazardous Material: Sweet Orange Extract
 - Hazard Class: 9
 - DOT subrisk: -
 - DOT Flashpoint: -
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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
- IMO -approved; Tank Cleaning.
- CARGO TANK CLEANING ADDITIVES EVALUATED IN ACCORDANCE WITH MEPC.1/CIRC.590 AND FOUND TO MEET THE REQUIREMENTS OF REGULATION 13.5.2 OF ANNEX II OF MARPOL 73/78.
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- 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	5-15	%
- D-Limonene	5-15	%

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:- H226: Flammable liquid and vapour. H302: Harmful if swallowed. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H319: Causes serious eye irritation. H400: Very toxic to aquatic life. H410: Very

SECTION 16 Other information (....)

toxic to aquatic life with long lasting effects.

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/shipservice

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

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