
SAFETY DATA SHEET

1 Identification of the substance or preparation and the supplier

Product Name: **TANKLEEN PLUS**
 Datasheet Number: 607782 3.0.0
 Use of the substance/preparation: Cleaning agent
 Product Part Number: 607782 (25 liter), 607783 (210 liter)

 Name of Supplier: Unitor ASA
 Address of Supplier: Willem Barentszstraat 50
 3165 AB Rotterdam-Albrandswaard
 The Netherlands

 Telephone: +31 10 4877 777
 Fax: +31 10 4877 888
 Responsible Person: Leen de Visser, Corporate Product Safety Manager, Tel.: +31 6 538 63736

 Name of Manufacturer: UNITOR CHEMICALS AS
 Address of Manufacturer: P.O.Box 15
 3141 Kjøpmannskjær
 Norway.
 Telephone: +47 333 515 00

 Emergency Telephone: NCEC: +44 1865 407333
 CHEMTREC (800) 424 9300
 CMA +1 703 527 3887
 Greece +30 1 7793777

2 Composition/information on ingredients

| Chemical Name | Concentration | CAS Number | EC Number | R Phrases | Symbols |
|--|---------------|------------|-----------|-----------|---------|
| Naphtha (petroleum), hydrotreated heavy | 60-100 | 64742-48-9 | 265-150-3 | 65, 66 | Xn |
| Fatty alcohol ethoxylate | 10-30 | 34398-01-1 | 500-084-3 | 41 | 41 |

3 Hazards identification

- Odour: Hydrocarbon odour
- Appearance: Liquid, pale amber, dispersible in water
- Contact with eyes: May cause severe irritation, Risk of serious damage to eyes (R41)
- Contact with skin: Repeated exposure may cause skin dryness or cracking (R66)
- Inhalation: In cases of severe exposure, dizziness, confusion, headache or stupor may develop
- Ingestion: Harmful: may cause lung damage if swallowed (R65)



Harmful

4 First aid measures

Contact with skin

- Wash affected area with plenty of water
- Remove contaminated clothing
- Contaminated clothing should be laundered before reuse

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
- Obtain immediate medical attention

Ingestion

- Do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention
- Never give anything by mouth to an unconscious person
- Give water or milk to drink

Inhalation

- Remove patient to fresh air

General

- When in doubt or symptoms persist, seek medical attention
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5 Fire-fighting measures

- Auto-ignition point 225 deg C at 760 mm Hg
 - Flash point 66 deg C (CC), Lower flammability limit 0.7%(in air), Upper flammability limit 6%(in air)
 - Decomposition products may include carbon oxides
 - In case of fire use water, foam, carbon dioxide or dry agent (S43)
 - Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
 - Keep container(s) exposed to fire cool, by spraying with water
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6 Accidental release measures

Personal Precautions

- Wear protective clothing as per section 8

Environmental Precautions

- Do not allow to enter public sewers and watercourses

Clean Up Actions

- 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
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7 Handling and storage

Handling

- Wear protective clothing as per section 8
 - Avoid contact with skin and eyes (S24/25)
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7 Handling and storage (....)

Storage

- Keep container tightly closed, in a cool, well ventilated place (S3/7/9)
- Keep away from open flames, hot surfaces and sources of ignition.

8 Exposure controls and personal protection

Exposure Limits

- OES / STEL 275 ppm

Exposure controls

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

Occupational exposure controls

- Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)
- Wear approved respirator if exposure likely to exceed MEL/OES



9 Physical and chemical properties

- Odour: Hydrocarbon odour
- Appearance: Liquid, pale amber, dispersible in water
- pH - not applicable
- Boiling point 187 °C to 211 °C at 760 mm /Hg
- Vapour pressure - not known
- Vapour density (air = 1) >1
- Freezing point unknown
- Emulsifies in water
- Specific gravity (water=1) 0.81
- Flash point 66 deg C (CC) , Lower flammability limit 0.7%(in air), Upper flammability limit 6%(in air)
- Auto-ignition point 225 deg C at 760 mm Hg

10 Stability and reactivity

- This article is considered stable under normal conditions
- Avoid overheating, Keep away from naked flames, incandescent or hot surfaces
- See Section 5

11 Toxicological information

Toxicological information

- No experimental data available

11 Toxicological information (....)

Inhalation

- In cases of severe exposure, dizziness, confusion, headache or stupor may develop

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, severe irritation may develop
- Risk of serious damage to eyes (R41)

Ingestion

- Harmful: may cause lung damage if swallowed (R65)

Carcinogenicity

- No evidence of carcinogenic effects
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12 Ecological information

Ecotoxicity

- This product has been evaluated on its behaviour in the environment by "The TNO Institute of Environmental Sciences" (The Netherlands organisation for applied Scientific Research).
- Based upon their report, IMO's BCH Working Group on the Evaluation of Safety and Pollution Hazards approved this product for use as tank cleaning agent by chemical tankers.
- LC50 (fish) >100 mg/l (96 hr)
- IC50 (algae) >100 mg/l (72 hr)
- EC50 (daphnia) >100 mg/l (48 hr)

Mobility

- Emulsifies in water

Persistence and Biodegradability

- The components in this product are readily biodegradable.

Bioaccumulation Potential

- Bioaccumulation of the components in this product is insignificant.

Other Adverse Effects

- Presents little or no hazard to the aquatic environment
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13 Disposal considerations

Classification

- EU Waste class: 07.01

Disposal considerations

- 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
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14 Transport information

- Not classified as hazardous for transport
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15 Regulatory information



Harmful

Risk Phrases

- Risk of serious damage to eyes (R41)
- Harmful: may cause lung damage if swallowed (R65)
- Repeated exposure may cause skin dryness or cracking (R66)

Safety Phrases

- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label (S62)
 - Do not breathe vapour/fumes (S23)
 - Avoid contact with skin (S24)
 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
 - Wear suitable gloves and eye/face protection (S37/39)
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16 Other information

(R41: Risk of serious damage to eyes. 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

This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)

This Safety Data Sheet is provided in compliance with The Dangerous Preparations Directive (88/379/EEC)

This Safety Data Sheet is provided in compliance with The Safety Data Sheets Directive (2001/58EC)