

Safety Data Sheet

Assoren

Replaces date: 11/11/2015

Revision date: 21/10/2019

Version: 3.0.0

SECTION 1: Identification of the substance/preparation and of the company/undertaking

1.1. Product identifier

Trade name: Assoren

Article no

Article no	Description
1201	5 L
1208	200 L

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

Recommended uses: Highly concentrated cleaning agent and degreaser.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company: KiiltoClean A/S
 Address: Frederik Plums Vej 2
 Zip code: 5610
 City: Assens
 Country: DENMARK
 E-mail: info.dk@kiilto.com
 Phone: +45 64712112
 Fax: +45 64712125
 Homepage: www.plum.dk

1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24)) The emergency telephone is open 24 hours.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Eye Dam. 1;H318

Most serious harmful effects: Causes serious eye damage.

2.2. Label elements

Pictograms



Signal word: Danger

H-phrases

H318 Causes serious eye damage.

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P-phrases

P102 Keep out of reach of children.
 P280 Wear eye protection/face protection.
 P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.

Supplemental information

According to REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents:

5 % or over but less than 15 %: Non-ionic surfactants. Phosphates.

Less than 5%: Anionic surfactants.

2.3. Other hazards

The product does not contain any PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No	EC No	REACH Reg. No.	Concentration	Notes	CLP-classification
AQUA	7732-18-5			> 10%		
TETRAPOTASSIUM PYROPHOSPHATE	7320-34-5	230-785-7		1 - 10%		Eye Irrit. 2;H319
DECYL GLUCOSIDE	68515-73-1	500-220-1		1 - 10%		Eye Dam. 1;H318
SODIUM DODECYLBENZENESULFONATE	25155-30-0	270-115-0	01-2119489428-22-0001	1 - 10%		
C9-11 PARETH-6	68439-46-3			1 - 10%		
CITRIC ACID	77-92-9	201-069-1	01-2119457026-42-0004	< 1%		Eye Irrit. 2;H319

Please see section 16 for the full text of H-phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Seek fresh air. Seek medical advice in case of persistent discomfort.

Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of discomfort.

Skin contact: Remove contaminated clothing. Wash the skin with water. Seek medical advice in case of persistent discomfort.

Eye contact: Open eye wide, remove any contact lenses and flush immediately with water (preferably using eye wash equipment). Seek medical advice immediately. Continue flushing until medical attention is obtained.

General: When obtaining medical advice, show the safety data sheet or label.

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

Eye contact may result in deep caustic burns, pain, tearing and cramping of the eyelids. Risk of serious eye injury and loss of sight.

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

Treat symptoms.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: The product is not directly flammable. Choose extinguishing agents based on the surrounding fire. Use water or water mist to cool non-ignited stock.

Unsuitable extinguishing media: Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product is not directly flammable. Avoid inhalation of vapour and fumes - seek fresh air.

5.3. Advice for fire-fighters

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn. Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases - seek fresh air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Keep unnecessary personnel away. Stop leak if this can be done without risk. Wear safety goggles/face protection.

For emergency responders: In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

6.2. Environmental precautions

Do not discharge large quantities of concentrated spills and residue into drains.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Rinse with water. Wipe up minor spills with a cloth.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use the product under well-ventilated conditions. Avoid contact with skin and eyes. Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Keep in tightly closed original packaging. Do not store with the following: Acids/ Chlorine. Storage temperature: 0-30 °C.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

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8.1. Control parameters

Occupational exposure limit: Contains no substances subject to reporting requirements

Legal basis: EH40/2005 Workplace exposure limits. Last amended August 2018.

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Eye goggles are recommended for the use of Assoren for high-pressure washing down where aerosols are generated. Eye protection must conform to EN 166.

Personal protective equipment, hand protection: Wear gloves. Type of material: Nitrile rubber/ Butyl rubber. Gloves must conform to EN 374. Breakthrough time has not been determined for the product. Change gloves often.

Personal protective equipment, respiratory protection: Respirators are recommended for the use of Assoren for high-pressure washing down where aerosols are generated. Filter type: P. Respiratory protection must conform to one of the following standards: EN 136/140/145.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit	
State	Liquid	
Colour	Greyish	
Odour	Weak	
Solubility	Soluble in the following: Water.	
Explosive properties	Non-explosive	
Oxidising properties	No data	

Parameter	Value/unit	Remarks
pH (solution for use)	9 - 10	10%
pH (concentrate)	10 - 11	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	100 °C	
Flash Point	No data	
Evaporation rate	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Vapour pressure	No data	
Vapour density	No data	
Relative density	No data	
Partition coefficient n-octanol/water	No data	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
Viscosity	0 - 300 cps	
Odour threshold	No data	

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9.2 Other information

Parameter	Value/unit	Remarks
Density	1050 - 1150 kg/m ³	

SECTION 10: Stability and reactivity

10.1. Reactivity

The product reacts with acids and chlorine - avoid mixing.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

The product reacts with acids and chlorine - avoid mixing.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Acids/ Chlorine.

10.6. Hazardous decomposition products

The product decomposes when combusted or heated to high temperatures and the following toxic gases can be formed: Carbon monoxide and carbon dioxide.

Other Information: Use the product only for surfaces that tolerate alkaline detergents.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral:	Ingestion may cause discomfort. The product does not have to be classified. Test data are not available.
Acute toxicity - dermal:	The product does not have to be classified. Test data are not available.
Acute toxicity - inhalation:	The product does not have to be classified. Test data are not available.
Skin corrosion/irritation:	Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking. The product does not have to be classified. Test data are not available.
Serious eye damage/eye irritation:	Eye contact may result in deep caustic burns, pain, tearing and cramping of the eyelids. Risk of serious eye injury and loss of sight. Test data are not available.
Respiratory sensitisation or skin sensitisation:	The product does not have to be classified. Test data are not available.
Germ cell mutagenicity:	The product does not have to be classified. Test data are not available.
Carcinogenic properties:	The product does not have to be classified. Test data are not available.
Reproductive toxicity:	The product does not have to be classified. Test data are not available.
Single STOT exposure:	Inhalation of vapours/spray mist may cause irritation to the upper airways. The product does not have to be classified. Test data are not available.

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Repeated STOT exposure: The product does not have to be classified. Test data are not available.

Aspiration hazard: The product does not have to be classified. Test data are not available.

Other toxicological effects: The product does not have to be classified. Test data are not available.

SECTION 12: Ecological information

12.1. Toxicity

The product does not have to be classified. Test data are not available.

12.2. Persistence and degradability

The product(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3. Bioaccumulative potential

No bioaccumulation expected.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Contact the local authorities.

Absorbent/cloth contaminated with the product: EWC code: 15 02 03 Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02.

Empty, cleansed packaging should be disposed of for recycling.
Uncleansed packaging is to be disposed of via the local waste-removal scheme.

Category of waste: 07 06 99 wastes not otherwise specified

SECTION 14: Transport information

14.1. UN-No.: Not applicable.

14.2. UN proper shipping name: Not applicable.

14.3. Transport hazard class(es): Not applicable.

14.4. Packing group: Not applicable.

14.5. Environmental hazards: Not applicable.

14.6. Special precautions for user

None.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Special Provisions: REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents.
REGULATION (EC) No 1272/2008 of 16 December 2008 on classification, labelling and packaging of substances and mixtures.

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
3.0.0	21/10/2019	KiiltoClean A/S (SKP)	1.1, 1.3, 6.3, 7.2, 8.1, 8.2, 15, 16
2.1.0	11/11/2015	SKP	2015/830 (UK)
2.0.0	05/03/2015	SKP	453/2010 + 1272/2008 (UK)

Abbreviations: DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative
STOT: Specific Target Organ Toxicity

Other Information: Shelf life: 30 months. Additional information can be obtained by contacting info.dk@kiilto.com or by telephone +45 6471 2112.

Training advice: A thorough knowledge of this safety data sheet should be a prerequisite condition.

Vendor notes: Not suited for removal of lime and rust.
Assoren is a highly concentrated detergent/degreaser to be diluted in accordance with the directions on the label.
The solution for use can be used manually, in automatic metal degreasing plant, in immersion baths or concentrated as an addition for high-pressure washing down. In closed systems the effect of the product can be increased in heated applications up to 90 °C.

Date: 21/10/2019

List of relevant H-statements

H318 Causes serious eye damage.
H319 Causes serious eye irritation.

SDS is prepared by

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