



**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 25.02.2021

Version number 1.2

Revision: 25.02.2021

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

- **Product identifier**
- **Trade name: Oilfino Clean 850**
- **UFI:** 0TK0-00YJ-2002-QVJY
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Cleaning material/ Detergent
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
oilfino Mineralöl GmbH  
Werkstr. 12  
D- 25497 Prisdorf  
info@oilfino.com  
Tel.: +49 (0) 4101 / 79900  
www.oilfino.com
- **Further information obtainable from:** Sales
- **Emergency telephone number:**  
Gift-Informationszentrum Nord (Göttingen)  
Telefon +49 (0)551-19240

**SECTION 2: Hazards identification**

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05

- **Signal word** Danger

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· **Hazard-determining components of labelling:**

- 2-aminoethanol
- 2-hexyloxyethanol
- Alkylpolyethoxypolypropoxybenzylether

· **Hazard statements**

H314 Causes severe skin burns and eye damage.

· **Precautionary statements**

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P103 Read carefully and follow all instructions.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P305+P351+P338 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.
- P321 Specific treatment (see on this label).
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Other hazards**

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

· **Chemical characterisation: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 141-43-5 EINECS: 205-483-3	2-aminoethanol Skin Corr. 1B, H314; Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332 Specific concentration limit: STOT SE 3; H335: C ≥ 5 %	≥2.5-<5%
CAS: 28098-03-5	octanoic acid, compound with 2-aminoethanol(1:1) Skin Irrit. 2, H315; Eye Irrit. 2, H319	≥0-<10%

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CAS: 68603-58-7	Amine, C12-14, Tert-Alkyl, Ethoxyliert, Propoxyliert Acute Tox. 4, H302	≥0-≤10%
CAS: 112-25-4 EINECS: 203-951-1	2-hexyloxyethanol Acute Tox. 3, H311; Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302	≥1-<3%
CAS: 68154-99-4	Alkylpolyethoxypolypropoxybenzylether Eye Dam. 1, H318; Acute Tox. 4, H312; Skin Irrit. 2, H315	≥1-<3%
CAS: 93820-33-8	N-(2-Ethylhexyl)isononan-1-amid Aquatic Acute 1, H400; Aquatic Chronic 2, H411	<0.25%

**Additional information:**

Classification as a carcinogen is not compulsory if mineral oils in this mixture contain less than 3 % DMSO extract, according to IP 346 method.  
For the wording of the listed hazard phrases refer to section 16.

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

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

**SECTION 5: Firefighting measures**

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture**  
During heating or in case of fire poisonous gases are produced.

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- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

**SECTION 6: Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Mount respiratory protective device.  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralising agent.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**SECTION 7: Handling and storage**

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class (TRGS):** 8 B
- **Specific end use(s)** No further relevant information available.

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**SECTION 8: Exposure controls/personal protection**

· **Additional information about design of technical facilities:** No further data; see item 7.

· **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**141-43-5 2-aminoethanol**

WEL	Short-term value: 7.6 mg/m <sup>3</sup> , 3 ppm
	Long-term value: 2.5 mg/m <sup>3</sup> , 1 ppm
Sk	

· **DNELs**

**141-43-5 2-aminoethanol**

Oral	DNEL Long-term - oral, systemic effects	3.75 mg/kg_bw/day (general public)
Dermal	DNEL Long-term – dermal, systemic effects	1 mg/kg_bw/day (Worker) 0.24 mg/kg_bw/day (general public)
Inhalative	DNEL long-term - inhalation local effects	2 mg/m <sup>3</sup> (general public)
	DNEL Long-term – inhalation, systemic effects	3.3 mg/m <sup>3</sup> /day (Worker)

**112-25-4 2-hexyloxyethanol**

Dermal	DNEL Long-term – dermal, systemic effects	9.3 mg/kg_bw/day (Worker) 4.63 mg/kg_bw/day (general public)
Inhalative	DNEL Long-term – inhalation, systemic effects	18.4 mg/m <sup>3</sup> /day (Worker) 2.9 mg/m <sup>3</sup> /day (general public)

**93820-33-8 N-(2-Ethylhexyl)isononan-1-amid**

Oral	DNEL Long-term - oral, systemic effects	1.79 mg/kg_bw/day (general public)
Dermal	DNEL Long-term – dermal, systemic effects	2.5 mg/kg_bw/day (Worker) 1.79 mg/kg_bw/day (general public)
Inhalative	DNEL Long-term – inhalation, systemic effects	8.8 mg/m <sup>3</sup> /day (Worker) 3.125 mg/m <sup>3</sup> /day (general public)

· **PNECs**

**141-43-5 2-aminoethanol**

PNEC short term, fresh water	0.085 mg/l (Aquatic organisms)
PNEC short term, sea water	0.0085 mg/l (Aquatic organisms)
PNEC short term, sewage plant	100 mg/l (Aquatic organisms)
PNEC short term fresh water sediment	0.434 mg/kg (Aquatic organisms)

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PNEC short term soil	0.0367 mg/kg (terrestrial organisms)
PNEC short term sea water sediment	0.0434 mg/kg (Aquatic organisms)
PNEC short term, intermittent releases	0.028 mg/l (Aquatic organisms)
<b>112-25-4 2-hexyloxyethanol</b>	
PNEC short term, fresh water	0.14 mg/l (Aquatic organisms)
PNEC short term, sea water	0.014 mg/l (Aquatic organisms)
PNEC short term, sewage plant	75 mg/l (Aquatic organisms)
PNEC short term fresh water sediment	0.644 mg/kg (Aquatic organisms)
PNEC short term soil	0.0467 mg/kg (terrestrial organisms)
PNEC short term sea water sediment	0.0644 mg/kg (Aquatic organisms)
PNEC short term, intermittent releases	1.4 mg/l (Aquatic organisms)
<b>93820-33-8 N-(2-Ethylhexyl)isononan-1-amid</b>	
PNEC short term, fresh water	0.00157 mg/l (Aquatic organisms)
PNEC short term, sea water	0.00015 mg/l (Aquatic organisms)
PNEC short term, sewage plant	100 mg/l (Aquatic organisms)
PNEC short term fresh water sediment	1.25 mg/kg (Aquatic organisms)
PNEC short term soil	0.44 mg/kg (terrestrial organisms)
PNEC short term sea water sediment	0.125 mg/kg (Aquatic organisms)
PNEC short term, intermittent releases	0.00475 mg/l (Aquatic organisms)
PNEC secondary poisoning	33.3 mg/kg KG/d (Aquatic organisms)

· **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

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**Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**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.

**Eye protection:**

Tightly sealed goggles

**SECTION 9: Physical and chemical properties****Information on basic physical and chemical properties****General Information****Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	Brown
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.

**pH-value at 20 °C:** 11**Change in condition****Melting point/freezing point:** Undetermined.

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<b>Initial boiling point and boiling range:</b> 100 °C	
· <b>Flash point:</b>	Not applicable.
· <b>Flammability (solid, gas):</b>	Not applicable.
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
Lower:	0.6 Vol %
Upper:	6.5 Vol %
· <b>Vapour pressure:</b>	Not determined.
· <b>Density at 20 °C:</b>	1.066 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Fully miscible.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
Dynamic:	Not determined.
Kinematic:	Not determined.
· <b>Solvent content:</b>	
Organic solvents:	3-<5 %
VOC (EC)	3-<5 %
<b>Solids content:</b>	0.0 %
· <b>Other information</b>	No further relevant information available.

**SECTION 10: Stability and reactivity**

- **Reactivity** No further relevant information available.

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- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

**ATE (Acute Toxicity Estimates)**

Oral	LD50	>12,497-46,676 mg/kg (rat)
Dermal	LD50	>9,559-20,745 mg/kg (rabbit)
Inhalative	LD50	>114-242 mg/kg

**141-43-5 2-aminoethanol**

Oral	LD50	2,050 mg/kg (rat)
Dermal	LD50	1,000 mg/kg (rabbit)

**68603-58-7 Amine, C12-14, Tert-Alkyl, Ethoxyliert, Propoxyliert**

Oral	LD50	>1,270 mg/kg (rat)
Dermal	LD50	>16,000 mg/kg (rabbit)

**112-25-4 2-hexyloxyethanol**

Oral	LD50	738 mg/kg (rat)
Dermal	LD50	757.35 mg/kg (rabbit)

**68154-99-4 Alkylpolyethoxypolypropoxybenzylether**

Oral	LD50	2,414 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50 (4h)	>7.1 mg/l (rat)

**93820-33-8 N-(2-Ethylhexyl)isononan-1-amid**

Oral	LD50	>2,000 mg/kg (rat)
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- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### · Toxicity

##### · Aquatic toxicity:

**68603-58-7 Amine, C12-14, Tert-Alkyl, Ethoxyliert, Propoxyliert**

LC50 (96h) mg/ltr.	186 mg/ltr (rainbow trout) 412 mg/ltr (Pimephales promelas)
EC50 (48h)	660-1,056 mg/ltr. (daphnia)

**112-25-4 2-hexyloxyethanol**

LC50 (96h) mg/ltr.	140 mg/ltr (Pimephales promelas)
EC50 (48h)	145 mg/l (daphnia)
EC50 (72h)	198 mg/l (algae)

**68154-99-4 Alkylpolyethoxypolypropoxybenzylether**

EC50 (48h)	6.3 mg/ltr. (daphnia)
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**93820-33-8 N-(2-Ethylhexyl)isononan-1-amid**

LC50 (96h) mg/ltr.	>1,000 mg/ltr (Zebrafisch)
EC50 (48h)	0.475 mg/l (daphnia)
EC50 (72h)	0.962 mg/l (algae)
NOEC	0.028 mg/ml (daphnia)

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· **Persistence and degradability**

68603-58-7	Amine, C12-14, Tert-Alkyl, Ethoxyliert, Propoxyliert	<60 %
112-25-4	2-hexyloxyethanol	97 %
68154-99-4	Alkylpolyethoxypolypropoxybenzylether	>60 %
93820-33-8	N-(2-Ethylhexyl)isononan-1-amid	81-94 %

· **Behaviour in environmental systems:**

· **Bioaccumulative potential**

	Oilfino Clean 850	>3,5
112-25-4	2-hexyloxyethanol	1,97
68154-99-4	Alkylpolyethoxypolypropoxybenzylether	3,46

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

· **Waste treatment methods**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
15 01 10*	packaging containing residues of or contaminated by hazardous substances
HP8	Corrosive

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

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· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

**SECTION 14: Transport information**

· <b>UN-Number</b> · <b>ADR, IMDG, IATA</b>	UN1719
· <b>UN proper shipping name</b> · <b>ADR</b>  · <b>IMDG, IATA</b>	1719 CAUSTIC ALKALI LIQUID, N.O.S. (2-hexyloxyethanol, ETHANOLAMINE) CAUSTIC ALKALI LIQUID, N.O.S. (2-hexyloxyethanol, ETHANOLAMINE)
· <b>Transport hazard class(es)</b> · <b>ADR, IMDG, IATA</b>	
	
· <b>Class</b> · <b>Label</b>	8 Corrosive substances. 8
· <b>Packing group</b> · <b>ADR, IMDG, IATA</b>	III
· <b>Environmental hazards:</b>	Not applicable.
· <b>Special precautions for user</b> · <b>Hazard identification number (Kemler code):</b> · <b>EMS Number:</b> · <b>Segregation groups</b> · <b>Stowage Category</b> · <b>Segregation Code</b>	Warning: Corrosive substances. 80 F-A,S-B Alkalis A SG22 Stow "away from" ammonium salts SG35 Stow "separated from" SGG1-acids
· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.

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**· Transport/Additional information:****· ADR**

- **Limited quantities (LQ)**
- **Excepted quantities (EQ)**

5L

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

- **Transport category**

3

- **Tunnel restriction code**

E

**· IMDG**

- **Limited quantities (LQ)**
- **Excepted quantities (EQ)**

5L

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

- **UN "Model Regulation":**

UN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (2-HEXYLOXYETHANOL, ETHANOLAMINE), 8, III

**SECTION 15: Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information****· Disclaimer**

This safety data sheet contains only safety relevant information. The information is based on the state of our knowledge at the time of revision, however, it does not constitute a guarantee of product properties, product information or product specifications and does not establish a contractual legal relationship. This document is only valid in its unchanged form. In the event of changes by third parties, the exhibitor accepts no responsibility for form and content or for any damages or claims arising from such changes. The information is not transferable to other products. If the product

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named in this safety data sheet is mixed, blended or processed with other materials or is subjected to processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise. The data sheet does not release the user from the obligation to ensure that he acts in accordance with all regulations in connection with his activity.

**Relevant phrases**

- H302 Harmful if swallowed.
- H311 Toxic in contact with skin.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H400 Very toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.

**Department issuing SDS:** Environmental Protection Department**Contact:** MSDS authorized Person**Abbreviations and acronyms:**

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VOC: Volatile Organic Compounds (USA, EU)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Acute Tox. 4: Acute toxicity – Category 4
- Acute Tox. 3: Acute toxicity – Category 3
- Skin Corr. 1B: Skin corrosion/irritation – Category 1B
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

**\* Data compared to the previous version altered.**