

WAXOYL AG

4015 Basel

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****WAXOYL Degreaser****1.2 Relevant identified uses of the substance or mixture and uses advised against****1.2.1 Relevant uses**

Cleaning agent

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet**Company**

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Safety Data Sheet

sdb@chemiebuero.de

1.4 Emergency telephone number**Advisory body**

+49 (0)89-19240 (24h) (english)

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

Skin Corr. 1C: H314 Causes severe skin burns and eye damage.
 Eye Dam. 1: H318 Causes serious eye damage.
 Carc. 2: H351 Suspected of causing cancer.
 Met. Corr. 1: H290 May be corrosive to metals.

2.2 Label elements**Hazard pictograms****Signal word**

DANGER

Contains:

Trisodium nitrilotriacetate
 Tridecyl Alcohol Ethoxylate (>5-20 EO)

Hazard statements

H314 Causes severe skin burns and eye damage.
 H351 Suspected of causing cancer.
 H290 May be corrosive to metals.

Precautionary statements

P260 Do not breathe vapours / spray.
 P280 Wear protective gloves / protective clothing / eye protection / face protection.
 P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / 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.
 P390 Absorb spillage to prevent material damage.
 P501 Dispose of contents / container to in accordance with local / regional / national / international regulation.

Cleaner, 648/2004/CE, contains:

5 - <15% non-ionic surfactants
 5 - <15% nitrilotriacetic acid
 < 5% anionic surfactant
 fragrances

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2.3 Other hazards

Human health dangers	If swallowed or in the event of vomiting, risk of product entering the lungs.
Environmental hazards	Does not contain any PBT or vPvB substances.
Other hazards	Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients**Product-type:**

The product is a mixture.

Range [%]	Substance
10 - <15	Trisodium nitrilotriacetate CAS: 5064-31-3, EINECS/ELINCS: 225-768-6, EU-INDEX: 607-620-00-6, Reg-No.: 01-2119519239-36-XXXX GHS/CLP: Acute Tox. 4: H302 - Eye Irrit. 2: H319 - Carc. 2: H351
5 - <10	Tridecyl Alcohol Ethoxylate (>5-20 EO) CAS: 69011-36-5, EINECS/ELINCS: 931-138-8 GHS/CLP: Acute Tox. 4: H302 - Eye Dam. 1: H318
1 - <3	Alkylethersulphate sodium salt CAS: 68585-34-2, EINECS/ELINCS: 500-223-8 GHS/CLP: Skin Irrit. 2: H315 - Eye Dam. 1: H318
1 - 5	sodium p-cumenesulphonate CAS: 15763-76-5, EINECS/ELINCS: 239-854-6, Reg-No.: 01-2119489411-37-XXXX GHS/CLP: Eye Irrit. 2: H319
<0,5	Sodium hydroxide CAS: 1310-73-2, EINECS/ELINCS: 215-185-5, EU-INDEX: 011-002-00-6 GHS/CLP: Skin Corr. 1A: H314 - Met. Corr. 1: H290

Comment on component parts Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information	Take off contaminated clothing and wash before reuse.
Inhalation	Remove the victim into fresh air and keep him calm. In the event of symptoms seek medical treatment.
Skin contact	Immediate medical treatment necessary, as untreated burns can result in slow-healing wounds. In case of contact with skin wash off immediately with soap and water.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.
Ingestion	Consult a doctor immediately. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Product is caustic.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
If swallowed or in the event of vomiting, risk of product entering the lungs.
Forward this sheet to the doctor.

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SECTION 5: Fire-fighting measures**5.1 Extinguishing media****Suitable extinguishing media** foam, dry powder, water spray jet, carbon dioxide**Extinguishing media that must not be used** Full water jet**5.2 Special hazards arising from the substance or mixture**Risk of formation of toxic pyrolysis products.
Nitrogen oxides (NOx).**5.3 Advice for firefighters**Do not inhale explosion and/or combustion gases.
Use self-contained breathing apparatus.
Wear full protective suit.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**Ensure adequate ventilation.
High risk of slipping due to leakage/spillage of product.
Use personal protective equipment.**6.2 Environmental precautions**Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.**6.3 Methods and material for containment and cleaning up**Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth).
Dispose of absorbed material in accordance with the regulations.**6.4 Reference to other sections**

See SECTION 8+13

SECTION 7: Handling and storage**7.1 Precautions for safe handling**Use only in well-ventilated areas.
The normal safety precautions for handling chemicals must be observed.Remove contaminated soaked clothing immediately and dispose of safely.
Showers and eye wash stations should be provided.
Do not eat, drink, smoke or take drugs at work.
After worktime and before work breaks the affected skin areas must be thoroughly cleaned.
Use barrier skin cream.**7.2 Conditions for safe storage, including any incompatibilities**Prevent penetration into the ground.
Provide alkali-resistant floor.
Keep only in original container.Do not store together with acids.
Do not store together with oxidizing agents.
Do not store together with food and animal food/diet.Keep container tightly closed.
Keep container in a well-ventilated place.
Protect from heat/overheating.

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7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

Substance
Sodium hydroxide
CAS: 1310-73-2, EINECS/ELINCS: 215-185-5, EU-INDEX: 011-002-00-6
Short-term exposure (15-minute): 2 mg/m ³

DNEL

Substance
sodium p-cumenesulphonate, CAS: 15763-76-5
Industrial, inhalative, Long-term - systemic effects: 53,6 mg/m ³ .
Industrial, dermal, Long-term - systemic effects: 7,6 mg/kg bw/d.
general population, oral, Long-term - systemic effects: 3,8 mg/kg bW/d.
general population, dermal, Long-term - systemic effects: 3,8 mg/kg bw/d.
general population, inhalative, Long-term - systemic effects: 13,2 mg/m ³ .
Trisodium nitrilotriacetate, CAS: 5064-31-3
Industrial, inhalative, Long-term - systemic effects: 3,5 mg/m ³ .
Industrial, inhalative, Long-term - local effects: 3,5 mg/m ³ .
Industrial, inhalative, Acute - local effects: 5,25 mg/m ³ .
Industrial, inhalative, Acute - systemic effects: 5,25 mg/m ³ .
general population, oral, Long-term - systemic effects: 0,5 mg/kg.
general population, inhalative, Acute - systemic effects: 1,75 mg/m ³ .
general population, inhalative, Acute - local effects: 1,75 mg/m ³ .

PNEC

Substance
sodium p-cumenesulphonate, CAS: 15763-76-5
sewage treatment plants (STP), 100 mg/L.
freshwater, 0,23 mg/L.
Trisodium nitrilotriacetate, CAS: 5064-31-3
oral (food), 0,2 mg/kg.
soil, 0,182 mg/kg.
sediment (seawater), 0,364 mg/kg.
sediment (freshwater), 3,64 mg/kg.
sewage treatment plants (STP), 540 mg/l.
seawater, 0,093 mg/l.
freshwater, 0,93 mg/l.

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8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation.
Eye protection	Tightly fitting goggles. (EN 166:2001)
Hand protection	0,7mm Butyl rubber, >480 min (EN 374). The details concerned are recommendations. Please contact the glove supplier for further information.
Skin protection	Alkali-resistant protective clothing.
Other	Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier. Avoid contact with eyes and skin. Do not breathe vapour/spray.
Respiratory protection	Breathing apparatus in the event of high concentrations.
Thermal hazards	none
Delimitation and monitoring of the environmental exposition	Comply with applicable environmental regulations limiting discharge to air, water and soil.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form	liquid
Color	colourless
Odor	characteristic
Odour threshold	not required
pH-value	ca. 12,7 (20°C) ca. 11,3 (50 g/l; 20°C)
pH-value [1%]	not determined
Boiling point [°C]	> 100
Flash point [°C]	not applicable
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/ml]	1,11 (20 °C / 68,0 °F)
Bulk density [kg/m³]	not applicable
Solubility in water	completely miscible
Partition coefficient [n-octanol/water]	not determined
Viscosity	not applicable
Relative vapour density determined in air	not applicable
Evaporation speed	not applicable
Melting point [°C]	not determined
Autoignition temperature [°C]	not self-igniting
Decomposition temperature [°C]	not determined

9.2 Other information

none

SECTION 10: Stability and reactivity**10.1 Reactivity**

No dangerous reactions known if used as directed.

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10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with acids and strong oxidizing agents.
Corrosive to metals.

10.4 Conditions to avoid

See SECTION 7.2.

10.5 Incompatible materials

Various metals.
Acids
Oxidizing agent

10.6 Hazardous decomposition products

No hazardous decomposition products known.

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SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

Product
ATE-mix, inhalative, > 20 mg/l 4h.
ATE-mix, dermal, > 2000 mg/kg.
ATE-mix, oral, > 2000 mg/kg.
Substance
Alkylethersulphate sodium salt, CAS: 68585-34-2
LD50, oral, Rat: > 2000 mg/kg.
sodium p-cumenesulphonate, CAS: 15763-76-5
LD50, dermal, Rabbit: > 2000 mg/kg.
LD50, oral, Rat: > 2000 mg/kg OECD 401.
NOAEL, oral, 763-3534 mg/kg/90d (OECD 408).
NOAEL, dermal, > 440 mg/kg/90d (OECD 411).
NOAEL, oral, Rat: > 936 mg/kg.
Tridecyl Alcohol Ethoxylate (>5-20 EO), CAS: 69011-36-5
LD50, dermal, Rat: > 2000 mg/kg (Lit.).
LD50, oral, Rat: > 300-2000 mg/kg (Lit.).
Sodium hydroxide, CAS: 1310-73-2
LD50, oral, Rat: 2000 mg/kg.
Trisodium nitrilotriacetate, CAS: 5064-31-3
LD50, dermal, Rabbit: > 10000 mg/kg.
LC50, inhalative, Rat: > 5 mg/l (4 h).

Serious eye damage/irritation	Based on the available information, the classification criteria are fulfilled. Toxicological data of complete product are not available. Risk of serious damage to eyes. Calculation method
Skin corrosion/irritation	Based on the available information, the classification criteria are fulfilled. Toxicological data of complete product are not available. Product is caustic. The classification is due to the extreme pH.
Respiratory or skin sensitisation	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
Specific target organ toxicity — single exposure	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
Specific target organ toxicity — repeated exposure	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
Mutagenicity	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
Reproduction toxicity	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
Carcinogenicity	Based on the available information, the classification criteria are fulfilled. Toxicological data of complete product are not available. Suspected of causing cancer. Calculation method
Aspiration hazard	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled.

General remarks

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none

SECTION 12: Ecological information**12.1 Toxicity**

Substance
Alkylethersulphate sodium salt, CAS: 68585-34-2
LC50, (96h), fish: > 1 mg/l.
sodium p-cumenesulphonate, CAS: 15763-76-5
LC50, (96h), Cyprinus carpio: > 100 mg/l OECD 203.
EC50, (72h), Desmodesmus subspicatus: > 100 mg/l OECD 201.
EC50, (48h), Daphnia magna: > 100 mg/l OECD 202.
NOEC, (96h), Algae: 31 mg/l EPA OPPTS.
ErC50, (3h), Bacteria: > 1000 mg/l OECD 209.
Tridecyl Alcohol Ethoxylate (>5-20 EO), CAS: 69011-36-5
LC50, (96h), Cyprinus carpio: > 1 - 10 mg/l (Lit.) OECD 203.
EC50, (72h), Desmodesmus subspicatus: > 1 - 10 mg/l (Lit.) OECD 201.
EC50, (48h), Daphnia magna: > 1 - 10 mg/l (Lit.) OECD 202.
Trisodium nitrilotriacetate, CAS: 5064-31-3
LC50, (96h), Pimephales promelas: > 100 mg/l (APHA 1971).
EC50, Pseudomonas fluorescens: 3200 - 5600 mg/l.
EC50, (72h), Scenedesmus subspicatus: > 91,5 mg/l.

12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	not determined
Biological degradability	not determined

12.3 Bioaccumulative potential

Accumulation in organisms is not expected.

12.4 Mobility in soil

not determined

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Other adverse effects

None known.

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SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Dispose of as hazardous waste.
Coordinate disposal with the authorities if necessary.

Waste no. (recommended) 070601*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended) 150110*

SECTION 14: Transport information**14.1 UN number**

Transport by land according to ADR/RID 3267

Inland navigation (ADN) 3267

Marine transport in accordance with IMDG 3267

Air transport in accordance with IATA 3267

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14.2 UN proper shipping name

Transport by land according to ADR/RID Corrosive liquid, basic, organic, n.o.s. (Trisodium nitrilotriacetate solution)

- Classification Code

C7

- Label



- ADR LQ

5 I

- ADR 1.1.3.6 (8.6)

Transport category (tunnel restriction code) 3 (E)

Inland navigation (ADN)

Corrosive liquid, basic, organic, n.o.s. (Trisodium nitrilotriacetate solution)

- Classification Code

C7

- Label



Marine transport in accordance with IMDG

Corrosive liquid, basic, organic, n.o.s. (Trisodiumnitrilotriacetate, solution)

- EMS

F-A, S-B

- Label



- IMDG LQ

5 I

Air transport in accordance with IATA Corrosive liquid, basic, organic, n.o.s. (Trisodiumnitrilotriacetate, solution)

- Label



14.3 Transport hazard class(es)

Transport by land according to ADR/RID 8

Inland navigation (ADN) 8

Marine transport in accordance with IMDG 8

Air transport in accordance with IATA 8

14.4 Packing group

Transport by land according to ADR/RID III

Inland navigation (ADN) III

Marine transport in accordance with IMDG III

Air transport in accordance with IATA III

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14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

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

No information available.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

EEC-REGULATIONS 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC; (EU) 2015/830

TRANSPORT-REGULATIONS DOT-Classification, ADR (2015); IMDG-Code (2015, 37. Amdt.); IATA-DGR (2016).

NATIONAL REGULATIONS (GB): EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4

- **Observe employment restrictions for people** Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.

- **VOC (1999/13/CE)**

15.2 Chemical safety assessment

not applicable

SECTION 16: Other information**16.1 Hazard statements (SECTION 03)**

H351 Suspected of causing cancer.
 H290 May be corrosive to metals.
 H314 Causes severe skin burns and eye damage.
 H319 Causes serious eye irritation.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H302 Harmful if swallowed.

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16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
 CAS = Chemical Abstracts Service
 CLP = Classification, Labelling and Packaging
 DMEL = Derived Minimum Effect Level
 DNEL = Derived No Effect Level
 EC50 = Median effective concentration
 ECB = European Chemicals Bureau
 EEC = European Economic Community
 EINECS = European Inventory of Existing Commercial Chemical Substances
 ELINCS = European List of Notified Chemical Substances
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
 IC50 = Inhibition concentration, 50%
 IMDG = International Maritime Code for Dangerous Goods
 IUCLID = International Uniform Chemical Information Database
 LC50 = Lethal concentration, 50%
 LD50 = Median lethal dose
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships
 PBT = Persistent, Bioaccumulative and Toxic substance
 PNEC = Predicted No-Effect Concentration
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
 TLV@/TWA = Threshold limit value – time-weighted average
 TLV@STEL = Threshold limit value – short-time exposure limit
 VOC = Volatile Organic Compounds
 vPvB = very Persistent and very Bioaccumulative

16.3 Other information**Classification procedure**

Skin Corr. 1C: H314 Causes severe skin burns and eye damage. (Calculation method)
 Eye Dam. 1: H318 Causes serious eye damage. (Calculation method)
 Carc. 2: H351 Suspected of causing cancer. (Calculation method)
 Met. Corr. 1: H290 May be corrosive to metals. (Calculation method)

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Modified position

SECTION 2 been added: P390 Absorb spillage to prevent material damage.

SECTION 2 been added: P260 Do not breathe vapours / spray.

SECTION 2 been added: P280 Wear protective gloves / protective clothing / eye protection / face protection.

SECTION 2 been added: P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

SECTION 2 been added: P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower.

SECTION 2 been added: P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 2 been added: P310 Immediately call a POISON CENTER / doctor.

SECTION 2 been added: P501 Dispose of contents / container to in accordance with local / regional / national / international regulation.

SECTION 2 been added: Does not contain any PBT or vPvB substances.

SECTION 4 been added: Seek medical advice immediately.

SECTION 4 been added: Take off contaminated clothing and wash before reuse.

SECTION 4 been added: In case of contact with skin wash off immediately with soap and water.

SECTION 4 been added: Product is caustic.

SECTION 5 been added: Wear full protective suit.

SECTION 7 been added: After worktime and before work breaks the affected skin areas must be thoroughly cleaned.

SECTION 7 been added: Do not store together with food and animal food/diet.

SECTION 7 been added: Protect from heat/overheating.

SECTION 7 been added: The normal safety precautions for handling chemicals must be observed.

SECTION 7 been added: Do not eat, drink, smoke or take drugs at work.

SECTION 8 been added: Comply with applicable environmental regulations limiting discharge to air, water and soil.



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