



Werner & Mertz  
Professional

## QUICKSTRIP ALKA 10 L

WM 1204743

Order number: 0404743

Version 2.0

Revision Date 25.04.2017

Print Date 19.09.2017

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

#### 1.1 Product identifier

Trade name : QUICKSTRIP ALKA 10 L  
Identification number : 61540

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

Use of the Substance/Mixture : Cleaning agent  
Restricted to professional users.

#### 1.3 Details of the supplier of the safety data sheet

Company : tana Chemie GmbH  
Rheinallee 96  
55120 Mainz  
Telephone : +49613196403  
Telefax : +4961319642414  
E-mail address : Produktsicherheit@werner-mertz.com  
Responsible/issuing person  
Contact person : Product development / product safety

#### 1.4 Emergency telephone number

+49(0)6131-19240

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Skin corrosion, Category 1A H314: Causes severe skin burns and eye damage.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.

Precautionary statements : P102 Keep out of reach of children.  
Prevention: P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:



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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 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. Immediately call a POISON CENTER/doctor.

P310

**Disposal:**

P501

Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:  
sodium hydroxide

Safety data sheet available on request.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.  
No information available.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Aqueous surfactant solution.

#### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
sodium hydroxide	1310-73-2 215-185-5 01-2119457892-27-XXXX	Skin Corr. 1A; H314 Met. Corr. 1; H290  SCL ≥ 5 % 1A; H314 2 - < 5 % 1B; H314 0,5 - < 2 % 2; H315 0,5 - < 2 % 2; H319	≥ 2 - < 3
2-aminoethanol	141-43-5 205-483-3 01-2119486455-28	Acute Tox. 4; H332 Acute Tox. 4; H312 Acute Tox. 4; H302 Skin Corr. 1B; H314 STOT SE 3; H335 Aquatic Chronic 3; H412  SCL ≥ 5 % 3; H335	≥ 2 - < 2,5



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sodium cumenesulphonate	28348-53-0 248-983-7	Eye Irrit. 2; H319	$\geq 1 - < 2$
Sulfonic acids, C14-17-sec-alkane, sodium salts	97489-15-1 307-055-2 01-2119489924-20	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412  SCL > 60 % 4; H302 > 15 - 60 % 1; H318 > 10 - 15 % 2; H315, H319	$\geq 1 - < 2$

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.  
Consult a physician after significant exposure.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
Protect unharmed eye.  
Continue rinsing eyes during transport to hospital.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
Take victim immediately to hospital.

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

- Symptoms : corrosive effects
- Risks : No information available.

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



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Treatment : For specialist advice physicians should contact the Poisons Information Service.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : No hazardous combustion products are known

#### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.  
Evacuate personnel to safe areas.

#### 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.

#### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Neutralise with acid.  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For personal protection see section 8., Treat recovered material as described in the section "Disposal considerations"., Refer to section 15 for specific national regulation.



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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

- Advice on safe handling : Avoid formation of aerosol. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. To avoid spills during handling keep bottle on a metal tray.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

#### 7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Store in original container. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store at room temperature in the original container.
- Other data : No decomposition if stored and applied as directed.

#### 7.3 Specific end use(s)

- Specific use(s) : Cleaning agent

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
2-aminoethanol	141-43-5	TWA	1 ppm 2,5 mg/m <sup>3</sup>	2009-12-19	2006/15/EC
Further information	:	skin: Identifies the possibility of significant uptake through the skinIndicative			
2-aminoethanol	141-43-5	STEL	3 ppm 7,6 mg/m <sup>3</sup>	2009-12-19	2006/15/EC
Further information	:	skin: Identifies the possibility of significant uptake through the skinIndicative			

#### DNEL

- | sodium hydroxide : End Use: Workers



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**1310-73-2:**

Exposure routes: Inhalation  
Potential health effects: Long-term local effects  
Value: 1 mg/m<sup>3</sup>

End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: Long-term local effects  
Value: 1 mg/m<sup>3</sup>

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

: End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects

End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Long-term local effects  
Value: 3,3 mg/m<sup>3</sup>

End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects

End Use: Consumers  
Exposure routes: Ingestion  
Potential health effects: Long-term systemic effects

End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 2 mg/m<sup>3</sup>

End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: Long-term local effects  
Value: 2 mg/m<sup>3</sup>

**sodium cumenesulphonate  
28348-53-0:**

: End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: Long-term exposure, Systemic effects

End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Long-term exposure, Systemic effects  
Value: 53,6 mg/m<sup>3</sup>

End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: Long-term exposure, Systemic effects

End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: Long-term exposure, Systemic effects  
Value: 13,2 mg/m<sup>3</sup>

End Use: Consumers



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**Sulfonic acids, C14-17-sec-  
alkane, sodium salts  
97489-15-1:**

Exposure routes: Ingestion  
Potential health effects: Long-term exposure, Systemic effects

: End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: Acute local effects  
Value: 2,8 mg/cm<sup>2</sup>

End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects

End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 35 mg/m<sup>3</sup>

End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: Long-term local effects  
Value: 2,8 mg/cm<sup>2</sup>

End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: Acute local effects  
Value: 2,8 mg/cm<sup>2</sup>

End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects

End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 12,4 mg/m<sup>3</sup>

End Use: Consumers  
Exposure routes: Ingestion  
Potential health effects: Long-term systemic effects

End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: Long-term local effects  
Value: 2,8 mg/cm<sup>2</sup>

### PNEC

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

: Fresh water  
Value: 0,085 mg/l

Marine water  
Value: 0,0085 mg/l

STP



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	Value: 100 mg/l
	intermittent release Value: 0,028 mg/l
	Fresh water sediment Value: 0,434 mg/kg
	Marine sediment Value: 0,0434 mg/kg
	Soil Value: 1,29 mg/kg
<b>sodium cumenesulphonate 28348-53-0:</b>	: Fresh water Value: 0,23 mg/l
<b>Sulfonic acids, C14-17-sec- alkane, sodium salts 97489-15-1:</b>	: Fresh water Value: 0,04 mg/l
	Marine water Value: 0,004 mg/l
	Fresh water sediment Value: 9,4 mg/kg
	Marine sediment Value: 0,94 mg/kg
	Soil Value: 9,4 mg/kg
	STP Value: 600 mg/l
	intermittent release Value: 0,06 mg/l
	Oral Value: 53,3 mg/kg

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Tightly fitting safety goggles

#### Hand protection

Material : Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374 (0,4 mm).



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- Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
- Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
Remove and wash contaminated clothing before re-use.
- Respiratory protection : Not required; except in case of aerosol formation.  
Recommended Filter type:  
ABEK-P3-filter
- Environmental exposure controls
- General advice : Do not flush into surface water or sanitary sewer system.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

- Appearance : liquid
- Colour : colourless
- Odour : characteristic
- Odour Threshold : No data available
- pH : ca. 13,1
- Melting point/range : No data available
- Boiling point/boiling range : No information available.
- Flash point : Not applicable
- Evaporation rate : No data available
- Flammability (solid, gas) : No data available
- Burning rate : No data available
- Lower explosion limit : No data available
- Upper explosion limit : No data available
- Vapour pressure : No data available
- Relative vapour density : No data available
- Relative density : No data available
- Density : ca. 1,036 g/cm<sup>3</sup>
- Water solubility : soluble
- Solubility in other solvents : No data available



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Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2 Other information

none

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under recommended storage conditions., No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions	: Stable under recommended storage conditions., No decomposition if used as directed.
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### 10.4 Conditions to avoid

Conditions to avoid	: No data available
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### 10.5 Incompatible materials

Materials to avoid	: No data available
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### 10.6 Hazardous decomposition products

Hazardous decomposition products	: No hazardous decomposition products are known.
Other information	: No hazardous decomposition products are known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Product

Acute oral toxicity	: Acute toxicity estimate : > 2.000 mg/kg Method: Calculation method
Acute inhalation toxicity	: Acute toxicity estimate : > 20 mg/l Test atmosphere: vapour



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Method: Calculation method

- Acute dermal toxicity : Acute toxicity estimate : > 2.000 mg/kg  
Method: Calculation method
- Skin corrosion/irritation : Extremely corrosive and destructive to tissue.
- Serious eye damage/eye irritation : May cause irreversible eye damage.
- Respiratory or skin sensitisation : No data available
- Further information : No data available

### Components: sodium hydroxide

#### 1310-73-2:

Acute oral toxicity : LD50 Oral Rat: 2.000 mg/kg

Skin corrosion/irritation : Result: Corrosive

Serious eye damage/eye irritation : Result: Corrosive

#### 2-aminoethanol

##### 141-43-5:

Acute oral toxicity : LD50 Oral Rat: 1.515 mg/kg  
Method: OECD Test Guideline 401

Acute toxicity estimate : 500 mg/kg  
Method: Converted acute toxicity point estimate

LD50 Rat: 1.089 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 Rat: 1,3 mg/l  
Exposure time: 6 h  
Harmful by inhalation.

LC50 Rat: 1,487 mg/l  
Exposure time: 4 h

Acute dermal toxicity : LD50 Dermal Rabbit: 2.504 mg/kg  
Method: OECD Test Guideline 402

Acute toxicity estimate : 1.100 mg/kg



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	Method: Converted acute toxicity point estimate
	LD50 Rabbit: 1.000 mg/kg
Skin corrosion/irritation	: Species: Rabbit Result: Corrosive Method: OECD Test Guideline 404
Serious eye damage/eye irritation	: Species: Rabbit Result: Risk of serious damage to eyes. Method: OECD Test Guideline 405
Respiratory or skin sensitisation	: Test Method: Maximisation Test Species: Guinea pig Result: Did not cause sensitisation on laboratory animals. Method: OECD Test Guideline 406

### sodium cumenesulphonate

28348-53-0:

Acute oral toxicity	: LD50 Oral Rat: > 2.000 mg/kg Method: OECD Test Guideline 401
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### Sulfonic acids, C14-17-sec-alkane, sodium salts

97489-15-1:

Acute oral toxicity	: LD50 Oral Rat: > 2.000 mg/kg Method: OECD Test Guideline 401
Acute dermal toxicity	: LD50 Dermal Mouse: > 2.000 mg/kg
Repeated dose toxicity	: Rat, male and female: NOAEL: 200 mg/kg  Application Route: Oral  Mouse: NOAEL: 500 mg/kg  Application Route: Dermal

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

sodium hydroxide

1310-73-2:

Toxicity to fish	: LC50 (Fish): 33 - 189 mg/l
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	Exposure time: 96 h
	LC50 ( <i>Gambusia affinis</i> (Mosquito fish)): 125 mg/l Exposure time: 96 h
	LC50 ( <i>Poecilia reticulata</i> (guppy)): 76 mg/l Exposure time: 24 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 ( <i>Daphnia</i> (water flea)): 40,4 mg/l
	EC50 ( <i>Daphnia magna</i> (Water flea)): 76 mg/l Exposure time: 24 h
Toxicity to bacteria	: EC50 ( <i>Photobacterium phosphoreum</i> ): 22 mg/l Exposure time: 15 min
<b>2-aminoethanol</b>	
<b>141-43-5:</b>	
Toxicity to fish	: LC50 ( <i>Oncorhynchus mykiss</i> (rainbow trout)): 150 mg/l Exposure time: 96 h
	LC50 ( <i>Lepomis macrochirus</i> (Bluegill sunfish)): 329 mg/l Exposure time: 96 h
	LC50 ( <i>Cyprinus carpio</i> (Carp)): 349 mg/l Exposure time: 96 h Test Type: semi-static test Method: OECD Test Guideline 203
	LC50 ( <i>Carassius auratus</i> (goldfish)): 170 mg/l Exposure time: 96 h Test Type: static test
Toxicity to daphnia and other aquatic invertebrates	: EC50 ( <i>Daphnia magna</i> (Water flea)): 27,04 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202
	NOEC ( <i>Daphnia magna</i> (Water flea)): 0,85 mg/l Exposure time: 21 d Method: OECD Test Guideline 211
Toxicity to algae	: EC50 ( <i>Selenastrum capricornutum</i> ): 2,8 mg/l Exposure time: 72 h Test Type: Growth inhibition Method: OECD Test Guideline 201
	EC50 ( <i>Scenedesmus subspicatus</i> ): 22 mg/l Exposure time: 72 h Test Type: Growth inhibition
	NOEC ( <i>Selenastrum capricornutum</i> ): 1 mg/l Exposure time: 72 h Test Type: Growth inhibition



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	Method: OECD Test Guideline 201
Toxicity to bacteria	: EC20 (activated sludge): > 1.000 mg/l Exposure time: 0,5 h Method: OECD Test Guideline 209
	EC50 ( <i>Pseudomonas putida</i> ): 110 mg/l Exposure time: 16 h Method: DIN 38412
	EC50 (activated sludge): > 1.000 mg/l Exposure time: 3 h Method: OECD Test Guideline 209
Toxicity to fish (Chronic toxicity)	: NOEC: 1,2 mg/l Exposure time: 30 d Species: <i>Oryzias latipes</i> (Orange-red killifish)
Toxicity to soil dwelling organisms	: EC50: 4.033 mg/kg Exposure time: 63 d Species: <i>Eisenia fetida</i> (earthworms)

### **sodium cumenesulphonate** **28348-53-0:**

Toxicity to fish	: LC50 ( <i>Cyprinus carpio</i> (Carp)): > 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: EC50 ( <i>Daphnia magna</i> (Water flea)): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae	: EC50 ( <i>Desmodesmus subspicatus</i> (green algae)): > 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201

### **Sulfonic acids, C14-17-sec-alkane, sodium salts** **97489-15-1:**

Toxicity to fish	: LC50 ( <i>Danio rerio</i> (zebra fish)): 1 - 10 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: EC50 ( <i>Daphnia magna</i> (Water flea)): 9,81 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae	: EC50 ( <i>Scenedesmus subspicatus</i> ): > 61 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to bacteria	: see user defined free text ( <i>Pseudomonas putida</i> ): 600 mg/l Exposure time: 16 h



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	Method: DIN 38412
Toxicity to soil dwelling organisms	: 470 mg/kg Exposure time: 56 d Species: Eisenia fetida (earthworms) Method: see user defined free text

### 12.2 Persistence and degradability

#### Product:

Biodegradability	: Remarks: The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.
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#### Components:

##### **sodium hydroxide**

##### **1310-73-2:**

Biodegradability	: Remarks: The methods for determining the biological degradability are not applicable to inorganic substances.
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##### **2-aminoethanol**

##### **141-43-5:**

Biodegradability	: Test Type: aerobic Inoculum: activated sludge Result: Readily biodegradable Biodegradation: > 90 % Exposure time: 21 d Method: OECD 301 A
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Biochemical Oxygen Demand (BOD)	: 800 mg/g Incubation time: 5 d
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ThOD	: 1,31 g/g
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##### **sodium cumenesulphonate**

##### **28348-53-0:**

Biodegradability	: Test Type: aerobic Result: Readily biodegradable Biodegradation: > 60 % Exposure time: 28 d Method: OECD 301 B
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##### **Sulfonic acids, C14-17-sec-alkane, sodium salts**

##### **97489-15-1:**

Biodegradability	: Biodegradation: 78 % Exposure time: 28 d Method: OECD 301 B Remarks: Readily biodegradable, according to appropriate OECD test.
	Biodegradation: 89 % Exposure time: 28 d



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Method: OECD 301 E  
Remarks: Readily biodegradable, according to appropriate OECD test.

Biodegradation: 96,2 %  
Exposure time: 34 d  
Method: see user defined free text  
Remarks: Expected to be biodegradable

Chemical Oxygen Demand (COD) : 1.510 mg/g

Dissolved organic carbon (DOC) : 322 mg/g

### 12.3 Bioaccumulative potential

#### Components:

##### **sodium hydroxide**

##### **1310-73-2:**

Bioaccumulation : Species: Fish  
Remarks: No bioaccumulation is to be expected (log Pow <= 4).

##### **2-aminoethanol**

##### **141-43-5:**

Bioaccumulation : Bioconcentration factor (BCF): 1

Remarks: Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

Partition coefficient: n-octanol/water : log Pow: -1,91 (25 °C)  
Method: OECD Test Guideline 107

log Pow: -2,3 (25 °C)  
pH: 6,8 - 7,3  
Method: OECD Test Guideline 107

### 12.4 Mobility in soil

#### Components:

##### **2-aminoethanol**

##### **141-43-5:**

Distribution among environmental compartments : Medium: Soil  
Koc: 5 Remarks: Highly mobile in soils

Stability in soil : Remarks: Will not adsorb on soil.

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..



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### Components:

#### 2-aminoethanol

##### 141-43-5:

Assessment

: This substance is not considered to be very persistent and very bioaccumulating (vPvB).. This substance is not considered to be persistent, bioaccumulating and toxic (PBT)..

### 12.6 Other adverse effects

#### Product:

Additional ecological information : There is no data available for this product.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product	: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.
Waste Code	European Waste Catalogue 20 01 29* According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

## SECTION 14: Transport information

### 14.1 UN number

ADR	: 1760
IMDG	: 1760
IATA	: 1760

### 14.2 Proper shipping name

ADR	: CORROSIVE LIQUID, N.O.S. (sodium hydroxide)
IMDG	: CORROSIVE LIQUID, N.O.S. (sodium hydroxide)
IATA	: Corrosive liquid, n.o.s. (sodium hydroxide)

### 14.3 Transport hazard class

ADR	: 8
IMDG	: 8



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IATA : 8

### 14.4 Packing group

#### ADR

Classification Code : C9  
Packaging group : II  
Hazard Identification Number : 80  
Labels : 8  
Tunnel restriction code : (E)

#### IMDG

Packaging group : II  
Labels : 8  
EmS Number : F-A, S-B

#### IATA

Packing instruction (cargo aircraft) : 855  
Packing instruction (LQ) : Y840  
Packaging group : II  
Labels : 8

### 14.5 Environmental hazards

#### ADR

Environmentally hazardous : no

#### IMDG

Marine pollutant : no

#### IATA

Environmentally hazardous : no

### 14.6 Special precautions for user

For personal protection see section 8.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

: Directive 96/82/EC does not apply

Seveso III: Directive 2012/18/EU : Not applicable  
of the European Parliament and of  
the Council on the control of  
major-accident hazards involving  
dangerous substances.  
TA Luft List (Germany)

: Total dust: Not applicable  
: Inorganic substances in powdered form: Not applicable  
: Inorganic substances in vapour or gaseous form: Not applicable  
: Organic Substances: : portionClass 1: 2,3 %  
: Carcinogenic substances: Not applicable  
: Mutagenic: Not applicable  
: Toxic to reproduction: Not applicable

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Volatile organic compounds (VOC) content	: Percent volatile: 2,33 % 242,66 g/l VOC content excluding water
Volatile organic compounds (VOC) content	: Percent volatile: 2,33 % 24,11 g/l VOC content valid only for coating materials used on wood surfaces
according to Detergents Regulation EC 648/2004	: <5% Anionic surfactants, Soap, Perfumes
Diğer kurallar	: 26 Aralık 2008 tarihli, 27092 mükerrer sayılı, "T.C. Çevre ve Orman Bakanlığı Tehlikeli Maddeler ve Müstahzarlara İlişkin Güvenlik Bilgi Formlarının Hazırlanması ve Dağıtılması Hakkında Yönetmeliği" ne uygun düzenlenmiştir. 26 Aralık 2008 27092 (mükerrer) sayılı Tehlikeli Maddelerin ve Müstahzarların Sınıflandırılması, Ambalajlanması ve Etiketlenmesi Hakkında Yönetmelik hükümlerine göre hazırlanmıştır.

### 15.2 Chemical safety assessment

There is no data available for this product.

## SECTION 16: Other information

### Full text of H-Statements

H290	May be corrosive to metals.
H302	Harmful if swallowed.
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.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

### Further information

Classification procedure: H314 Calculation method

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good

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Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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