



QUICKSTRIP ALKA 10 L

WM 1204743

Order number: 0404743

Version 4.0

Revision Date 11.03.2019

Print Date 15.04.2019

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.

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	Met. Corr. 1; H290 Skin Corr. 1A; H314 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	>= 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 % 1; H318 10 - 15 % 2; H319 > 10 % 2; H315	>= 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 ³	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 ³	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/m³

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term local effects
Value: 1 mg/m³

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

: End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 1 mg/kg

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term local effects
Value: 3,3 mg/m³

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 0,24 mg/kg

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term systemic effects
Value: 3,75 mg/kg

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term local effects
Value: 2 mg/m³

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

: End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 7,6 mg/kg

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 53,6 mg/m³

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 3,8 mg/kg

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 13,2 mg/m³

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
Value: 3,8 mg/kg

: End Use: Workers
Exposure routes: Skin contact
Potential health effects: Acute local effects
Value: 2,8 mg/cm²

End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 5 mg/kg

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 35 mg/m³

End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term local effects
Value: 2,8 mg/cm²

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Acute local effects
Value: 2,8 mg/cm²

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 3,57 mg/kg

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 12,4 mg/m³

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term systemic effects
Value: 7,1 mg/kg

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term local effects
Value: 2,8 mg/cm²

PNEC

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

: Fresh water
Value: 0,085 mg/l



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	Marine water Value: 0,0085 mg/l
	STP 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: 0,0367 mg/kg
sodium cumenesulphonate 28348-53-0:	: Fresh water Value: 0,23 mg/l
	STP Value: 100 mg/l
	intermittent release Value: 2,3 mg/l
Sulfonic acids, C14-17-sec- alkane, sodium salts 97489-15-1:	: 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



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- 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.
- 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, at20 °C
- 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
- Flammability (liquids) : No data available
- Burning rate : No data available
- Lower explosion limit : No data available
- Upper explosion limit : No data available



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Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: ca. 1,036 g/cm ³ at 20 °C
Water solubility	: soluble
Solubility in other solvents	: No data available
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.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

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



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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 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
Germ cell mutagenicity	: Not Rated
Carcinogenicity	: Not Rated
Reproductive toxicity	: Not Rated
STOT - single exposure	: The substance or mixture is not classified as specific target organ toxicant, single exposure.
STOT - repeated exposure	: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Aspiration toxicity	: Not Rated
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



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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
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 Exposure time: 96 h LC50 (Gambusia affinis (Mosquito fish)): 125 mg/l Exposure time: 96 h LC50 (Poecilia reticulata (guppy)): 76 mg/l Exposure time: 24 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia (water flea)): 40,4 mg/l EC50 (Daphnia magna (Water flea)): 76 mg/l Exposure time: 24 h
Toxicity to bacteria	: EC50 (Photobacterium phosphoreum): 22 mg/l Exposure time: 15 min

2-aminoethanol

141-43-5:

Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): 150 mg/l Exposure time: 96 h LC50 (Lepomis macrochirus (Bluegill sunfish)): 329 mg/l Exposure time: 96 h LC50 (Cyprinus carpio (Carp)): 349 mg/l
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	Exposure time: 96 h Test Type: semi-static test Method: OECD Test Guideline 203
	LC50 (Carassius auratus (goldfish)): 170 mg/l Exposure time: 96 h Test Type: static test
	LC50 (Leuciscus idus (Golden orfe)): 224 mg/l Exposure time: 48 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 27,04 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202
	NOEC (Daphnia magna (Water flea)): 0,85 mg/l Exposure time: 21 d Method: OECD Test Guideline 211
	EC50 (Daphnia magna (Water flea)): 65 mg/l Exposure time: 48 h
Toxicity to algae	: EC50 (Selenastrum capricornutum): 2,8 mg/l Exposure time: 72 h Test Type: Growth inhibition Method: OECD Test Guideline 201
	EC50 (Scenedesmus subspicatus): 22 mg/l Exposure time: 72 h Test Type: Growth inhibition
	NOEC (Selenastrum capricornutum): 1 mg/l Exposure time: 72 h Test Type: Growth inhibition Method: OECD Test Guideline 201
	EC50 (Scenedesmus subspicatus): 15 mg/l Exposure time: 72 h
	EC50 (Selenastrum capricornutum): 2,5 mg/l Exposure time: 72 h
Toxicity to bacteria	: EC20 (activated sludge): > 1.000 mg/l Exposure time: 0,5 h Method: OECD Test Guideline 209
	EC50 (Pseudomonas putida): 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



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Toxicity to fish (Chronic toxicity) : NOEC: 1,2 mg/l
Exposure time: 30 d
Species: *Oryzias latipes* (Orange-red killifish)

Toxicity to soil dwelling organisms : EC50: 4.033 mg/kg
Exposure time: 63 d
Species: *Eisenia fetida* (earthworms)

sodium cumenesulphonate

28348-53-0:

Toxicity to fish : LC50 (*Cyprinus carpio* (Carp)): > 100 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): > 100 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae : EC50 (*Desmodesmus subspicatus* (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 (*Danio rerio* (zebra fish)): 1 - 10 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 9,81 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae : EC50 (*Scenedesmus subspicatus*): > 61 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: yes

Toxicity to bacteria : see user defined free text (*Pseudomonas putida*): 600 mg/l
Exposure time: 16 h
Method: DIN 38412
GLP:

Toxicity to fish (Chronic toxicity) : NOEC:
Exposure time: 28 d
Species: *Oncorhynchus mykiss* (rainbow trout)
Analytical monitoring: yes
Method: OECD Test Guideline 204
GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic) : NOEC: 0,36 mg/l
Exposure time: 22 d



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toxicity)	Species: Daphnia magna (Water flea) Method: OECD Test Guideline 202 GLP: yes
Toxicity to soil dwelling organisms	: NOEC: 470 mg/kg Exposure time: 56 d Species: Eisenia fetida (earthworms) Method: OECD Test Guideline 222 GLP:yes

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.

Components:

sodium hydroxide

1310-73-2:

Biodegradability : Remarks: The methods for determining the biological degradability are not applicable to inorganic substances.

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

Result: rapidly biodegradable
Biodegradation: 90 - 100 %
Method: OECD 301 F

Biochemical Oxygen Demand (BOD) : 800 mg/g
Incubation time: 5 d

ThOD : 1,31 g/g

sodium cumenesulphonate

28348-53-0:

Biodegradability : Test Type: aerobic
Result: Readily biodegradable.
Biodegradation: > 60 %
Exposure time: 28 d
Method: OECD 301 B

Sulfonic acids, C14-17-sec-alkane, sodium salts

97489-15-1:

Biodegradability : Inoculum: activated sludge



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

Inoculum: activated sludge
Result: rapidly biodegradable
Biodegradation: 89 %
Exposure time: 28 d
Method: OECD 301 E
Remarks: Readily biodegradable, according to appropriate OECD test.

Inoculum: activated sludge
Result: Readily biodegradable.
Biodegradation: 96,2 %
Exposure time: 34 d
Method: OECD Test Guideline 303A
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:



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Distribution among environmental compartments : Medium:Soil
Koc: 5Remarks: 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..

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
200129
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



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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. Not permitted for transport

14.3 Transport hazard class

ADR	:	8
IMDG	:	8
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		
(Cargo)	:	Corrosive liquid, n.o.s. Not permitted for transport
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

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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



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- Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable
- REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable
- : Directive 96/82/EC does not apply
- Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. TA Luft List (Germany) : Not applicable
- : 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
- Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Update: Percent volatile: 2,33 %
247,47 g/l
VOC content excluding water
- Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Update: Percent volatile: 2,33 %
24,15 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
- GISBAU (D) : GG 80

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.



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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

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

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 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; SVHC - Substance of Very High Concern; 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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