



## SANET DAILY Q&E 6X325ML WEST

WM 0713601

Order number: 0713601

Version 8.1

Revision Date 26.04.2019

Print Date 31.07.2019

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

#### 1.1 Product identifier

Trade name : SANET DAILY Q&E 6X325ML WEST  
Identification number : 64533

#### 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)

Corrosive to metals, Category 1 H290: May be corrosive to metals.

Eye irritation, Category 2 H319: Causes serious eye irritation.

Skin irritation, Category 2 H315: Causes skin irritation.

#### 2.2 Label elements

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

Hazard pictograms :



Signal word : Warning

Hazard statements : H290 May be corrosive to metals.



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	H315	Causes skin irritation.
	H319	Causes serious eye irritation.
Precautionary statements	: P102	Keep out of reach of children.
	<b>Prevention:</b>	
	P260	Do not breathe spray.
	P280	Wear protective gloves/ eye protection/ face protection.
	<b>Response:</b>	
	P305 + P351 + P338 + P310	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.
	P302 + P350	IF ON SKIN: Gently wash with plenty of soap and water.
	<b>Disposal:</b>	
	P501	Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

I-(+)-lactic acid

Safety data sheet available on request.

### Classification in use concentration

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

### 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

#### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
I-(+)-lactic acid	79-33-4 201-196-2 01-2119474164-39	Skin Irrit. 2; H315 Eye Dam. 1; H318  SCL ≥ 10 % 2; H315 ≥ 3 % 1; H318 1 - < 3 % 2; H319	≥ 5 - < 10



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Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3 01-2119488639-16	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412  SCL 5 - < 10 % 2; H319 >= 10,0 % 1; H318	>= 5 - < 10
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1 01-2119488530-36	Eye Dam. 1; H318  SCL > 10 % 1; H318	>= 3 - < 5
methanesulphonic acid	75-75-2 200-898-6 01-2119491166-34	Skin Corr. 1B; H314 Met. Corr. 1; H290 Acute Tox. 4; H312 Acute Tox. 4; H302 STOT SE 3; H335 Eye Dam. 1; H314  SCL 5 - 100 % 1B; H314 3 - < 5 % 1; H318 3 - < 5 % 2; H315 1 - < 3 % 2; H319 1 - < 3 % 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.  
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
If symptoms persist, call a physician.
- In case of eye contact : Protect unharmed eye.  
If easy to do, remove contact lens, if worn.  
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
If eye irritation persists, consult a specialist.



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If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
Obtain medical attention.

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

Symptoms : corrosive effects  
Irritation

Risks : No information available.

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

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

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## 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.

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## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.

### 6.2 Environmental precautions

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



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

- Methods for cleaning up : Neutralize with chalk, alkali solution or ammonia.  
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.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : 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. Dispose of rinse water in accordance with local and national regulations.
- 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

Contains no substances with occupational exposure limit values.

DNEL



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**I-(+)-lactic acid  
79-33-4:**

- : End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Short-term exposure, Local effects  
Value: 592 mg/m<sup>3</sup>
- End Use: Consumers  
Exposure routes: Ingestion  
Potential health effects: Short-term exposure, Systemic effects  
Value: 35,4 mg/kg
- End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: Short-term exposure, Local effects  
Value: 296 mg/m<sup>3</sup>

**Alcohols, C12-14, ethoxylated,  
sulfates, sodium salts  
68891-38-3:**

- : End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 2750 mg/kg
- End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 175 mg/m<sup>3</sup>
- End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 1650 mg/kg
- End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 52 mg/m<sup>3</sup>
- End Use: Consumers  
Exposure routes: Ingestion  
Potential health effects: Long-term systemic effects  
Value: 15 mg/kg
- End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: Long-term local effects  
Value: 0,132 mg/cm<sup>2</sup>
- End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: Long-term local effects  
Value: 0,079 mg/cm<sup>2</sup>

**D-Glucopyranose, oligomers,  
decyl octyl glycosides  
68515-73-1:**

- : End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 595000 mg/kg



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End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 420 mg/m<sup>3</sup>

End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 357000 mg/kg

End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 124 mg/m<sup>3</sup>

End Use: Consumers  
Exposure routes: Ingestion  
Potential health effects: Long-term systemic effects  
Value: 35,7 mg/kg

**methanesulphonic acid  
75-75-2:**

: End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Long-term local effects  
Value: 2,89 mg/m<sup>3</sup>

End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 19,44 mg/kg

End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 1,44 mg/kg

End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: Acute systemic effects  
Value: 1,44 mg/kg

End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 8,33 mg/kg

End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 6,76 mg/m<sup>3</sup>

End Use: Consumers  
Exposure routes: Ingestion  
Potential health effects: Long-term systemic effects  
Value: 8,33 mg/kg



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End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: Long-term local effects  
Value: 1,73 mg/m<sup>3</sup>

### PNEC

**I-(+)-lactic acid  
79-33-4:**

: Fresh water  
Value: 1,3 mg/l

STP  
Value: 10 mg/l

**Alcohols, C12-14, ethoxylated,  
sulfates, sodium salts  
68891-38-3:**

: Fresh water  
Value: 0,24 mg/l

Marine water  
Value: 0,024 mg/l

STP  
Value: 10000 mg/kg

intermittent release  
Value: 0,071 mg/l

Fresh water sediment  
Value: 5,45 mg/kg

Marine sediment  
Value: 0,545 mg/kg

**D-Glucopyranose, oligomers,  
decyl octyl glycosides  
68515-73-1:**

: Fresh water  
Value: 0,176 mg/l

Marine water  
Value: 0,0176 mg/l

intermittent release  
Value: 0,27 mg/l

STP  
Value: 560 mg/l

Fresh water sediment  
Value: 1,516 mg/kg

Marine sediment  
Value: 0,152 mg/kg

Soil  
Value: 0,654 mg/kg

**methanesulphonic acid  
75-75-2:**

: Fresh water  
Value: 0,012 mg/l





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Marine water  
Value: 0,0012 mg/l

Fresh water sediment  
Value: 0,0251 mg/kg

Soil  
Value: 0,00183 mg/kg

Intermittent use/release  
Value: 0,12 mg/l

Sewage treatment plant  
Value: 100 mg/l

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : If splashes are likely to occur, wear:  
Tightly fitting safety goggles

#### Hand protection

Material : For prolonged or repeated contact use protective gloves.  
It is suggested the usage of chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374-1: 2003 (0,4 mm).  
As alternative, a different type of gloves might be used if, accordingly to the recommendations of the producer, guarantee the same level of protection.

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 : not required under normal 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



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Appearance	: liquid
Colour	: pink
Odour	: odourized
Odour Threshold	: No data available
pH	: ca. 1,2, 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
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: ca. 1,04 g/cm3 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



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### 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.

### 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 dermal toxicity : Acute toxicity estimate : > 2.000 mg/kg  
Method: Calculation method

Skin corrosion/irritation : May cause skin irritation and/or dermatitis.

Serious eye damage/eye irritation : May cause irreversible eye damage.  
Causes serious eye irritation.

Respiratory or skin sensitisation : No data available

Germ cell mutagenicity : Not Rated

Carcinogenicity : Not Rated

Reproductive toxicity : Not Rated



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- 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:**

#### **I-(+)-lactic acid**

#### **79-33-4:**

- Acute oral toxicity : LD50 Rat: 3.730 mg/kg  
LD50 Mouse: 4.875 mg/kg  
LD50 Oral Guinea pig: 1.810 mg/kg
- Acute inhalation toxicity : LC50 Rat: 7,94 mg/l  
Exposure time: 4 h
- Acute dermal toxicity : LD50 Rabbit: > 2.000 mg/kg

### **Alcohols, C12-14, ethoxylated, sulfates, sodium salts**

#### **68891-38-3:**

- Acute oral toxicity : LD50 Oral Rat: 2.870 mg/kg  
Method: OECD Test Guideline 401
- Acute dermal toxicity : LD50 Rat: > 2.000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes
- Skin corrosion/irritation : Species: Rabbit  
Method: OECD Test Guideline 404
- Serious eye damage/eye irritation : Species: Rabbit  
Method: OECD Test Guideline 405
- Respiratory or skin sensitisation : Result: Does not cause skin sensitisation.
- Germ cell mutagenicity



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- Genotoxicity in vitro : Result: negative  
Method: OECD Test Guideline 471
- Reproductive toxicity : Species: Rat  
Application Route: Oral  
NOAEL: > 300 mg/kg,  
F1: > 300 mg/kg, Method: OECD Test Guideline 416
- Teratogenicity : Species: Rat  
Application Route: Oral  
>1.000 mg/kg  
> 1.000 mg/kg  
Method: OECD Test Guideline 414
- Repeated dose toxicity : NOAEL: 300 mg/kg
- STOT - repeated exposure : Exposure routes: Ingestion  
Target Organs: Liver

### D-Glucopyranose, oligomers, decyl octyl glycosides

#### 68515-73-1:

- Acute oral toxicity : LD50 Rat: > 5.000 mg/kg  
Method: OECD Test Guideline 401
- Acute dermal toxicity : Rabbit: > 2.000 mg/kg  
Method: OECD Test Guideline 402
- Skin corrosion/irritation : Species: Rabbit  
Result: Mild skin irritation  
Method: OECD Test Guideline 404
- Serious eye damage/eye irritation : Species: Rabbit  
Result: Irreversible effects on the eye  
Method: OECD Test Guideline 405
- Respiratory or skin sensitisation : Species: Guinea pig  
Result: Does not cause skin sensitisation.  
Method: OECD Test Guideline 406
- Germ cell mutagenicity
- Genotoxicity in vitro : Type: Ames test  
Result: negative  
Method: OECD Test Guideline 471

**methanesulphonic acid**



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### 75-75-2:

Acute oral toxicity : LD50 Rat: 200 mg/kg

LD50 Rat: 649 mg/kg

Acute inhalation toxicity : LC0 Mouse: > 1,88 mg/l  
Exposure time: 1 h

LC0 Rat: 0,74 mg/l  
Exposure time: 6 h

Acute dermal toxicity : LD50 Rabbit: > 1.000 - 2.000 mg/kg

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

#### **I-(+)-lactic acid**

#### **79-33-4:**

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 130 mg/l  
Exposure time: 96 h

LC50 (Fish): 320 mg/l  
Exposure time: 48 h

Toxicity to daphnia and other  
aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 130 mg/l  
Exposure time: 48 h

EC50 (Daphnia pulex (Water flea)): 240 mg/l  
Exposure time: 48 h

Toxicity to algae : EC50 (Selenastrum capricornutum): 3.500 mg/l

ErC50 (Pseudokirchneriella subcapitata (microalgae)): 2.800 mg/l  
Exposure time: 72 h

Toxicity to bacteria : EC50 : > 100 mg/l  
Exposure time: 3 h

#### **Alcohols, C12-14, ethoxylated, sulfates, sodium salts**

#### **68891-38-3:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 7,1 mg/l  
Exposure time: 96 h

Test Type: flow-through test  
Method: OECD Test Guideline 203  
GLP: yes

LC50 (Fish): > 1 - 10 mg/l  
Test Type: semi-static test



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Method: OECD Test Guideline 203

LC50 (Leuciscus idus (Golden orfe)): 10 - 100 mg/l

Method: OECD Test Guideline 203

NOEC (Oncorhynchus mykiss (rainbow trout)): 0,14 mg/l

Exposure time: 28 d

Test Type: flow-through test

Method: OECD Test Guideline 204

LC50 (Brachydanio rerio (zebrafish)): 1 - 10 mg/l

Test Type: flow-through test

Method: OECD Test Guideline 203

LC50 (Brachydanio rerio (zebrafish)): 7,1 mg/l

Exposure time: 96 h

Toxicity to daphnia and other  
aquatic invertebrates

: EC50 (Daphnia pulex (Water flea)): 7,4 mg/l

Exposure time: 48 h

Test Type: Immobilization

Method: OECD Test Guideline 202

EC50 (Daphnia magna (Water flea)): > 1 - 10 mg/l

Exposure time: 48 h

Test Type: static test

Method: OECD Test Guideline 202

NOEC (Daphnia magna (Water flea)): 0,27 mg/l

Exposure time: 21 d

Test Type: flow-through test

Method: OECD Test Guideline 211

(Daphnia magna (Water flea)): 7,2 mg/l

Exposure time: 48 h

Toxicity to algae

: EC50 (Desmodesmus subspicatus (green algae)): 27,7 mg/l

Exposure time: 72 h

Test Type: Growth inhibition

Method: OECD Test Guideline 201

GLP: yes

EC50 (Scenedesmus subspicatus): 10 - 100 mg/l

Method: OECD Test Guideline 201

EC50 (Desmodesmus subspicatus (green algae)): > 10 - 100 mg/l

Exposure time: 72 h

Test Type: static test

Method: OECD Test Guideline 201

NOEC : 0,95 mg/l

Test Type: Growth inhibition

Method: OECD Test Guideline 201

NOEC (Desmodesmus subspicatus (green algae)): 0,93 mg/l

Exposure time: 72 h



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- Test Type: static test  
Method: OECD Test Guideline 201
- Toxicity to bacteria : EC50 (*Pseudomonas putida*): > 10 g/l  
Exposure time: 16 h  
Test Type: Cell multiplication inhibition test  
Method: DIN 38412  
GLP: yes
- EC10 (*Pseudomonas putida*): > 10 g/l  
Test Type: Cell multiplication inhibition test  
GLP:
- Toxicity to fish (Chronic toxicity) : NOEC: 1,2 mg/l
- NOEC: 1 - 10 mg/l  
Species: *Leuciscus idus* (Golden orfe)
- NOEC: 0,14 mg/l  
Exposure time: 28 d  
Species: *Oncorhynchus mykiss* (rainbow trout)  
Method: OECD Test Guideline 204
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: > 0,1 - 1 mg/l  
Exposure time: 21 d  
Species: *Daphnia magna* (Water flea)  
Method: OECD Test Guideline 211
- Toxicity to soil dwelling organisms : NOEC: 750 mg/kg  
Exposure time: 96 d  
Species: *Eisenia fetida* (earthworms)  
Method: OECD Test Guideline 222
- D-Glucopyranose, oligomers, decyl octyl glycosides**  
**68515-73-1:**
- Toxicity to fish : LC50 (*Brachydanio rerio* (zebrafish)): 100,81 mg/l  
Exposure time: 96 h
- NOEC (*Brachydanio rerio* (zebrafish)): 1,8 mg/l
- Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): > 100 mg/l  
Exposure time: 48 h
- NOEC (*Daphnia magna* (Water flea)): 1,0 mg/l
- Toxicity to algae : EC50 (*Scenedesmus subspicatus*): 27,22 mg/l  
Exposure time: 72 h
- methanesulphonic acid**  
**75-75-2:**
- Toxicity to fish : LC50 (*Oncorhynchus mykiss* (rainbow trout)): 10 - 100 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 203





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Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 10 - 100 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to algae	: EC50 (Scenedesmus capricornutum (fresh water algae)): 10 - 100 mg/l Exposure time: 72 h Test Type: Growth inhibition Method: OECD Test Guideline 201
Toxicity to bacteria	: EC50 : 10 - 100 mg/l Exposure time: 72 h Method: see user defined free text Remarks: 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.

#### Components:

##### **I-(+)-lactic acid**

##### **79-33-4:**

Biodegradability : Result: rapidly biodegradable

Biochemical Oxygen Demand (BOD) : 450 mg/g  
Incubation time: 5 d

600 mg/g  
Incubation time: 20 d

Chemical Oxygen Demand (COD) : 900 mg/g

ThOD : 1.067 mg/g

##### **Alcohols, C12-14, ethoxylated, sulfates, sodium salts**

##### **68891-38-3:**

Biodegradability : Test Type: aerobic  
Result: rapidly biodegradable  
Biodegradation: > 70 %  
Exposure time: 28 d  
Method: OECD 301 A

Test Type: anaerobic  
Result: Biodegradable  
Biodegradation: > 60 %  
Exposure time: 41 d



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### D-Glucopyranose, oligomers, decyl octyl glycosides

#### 68515-73-1:

Biodegradability : Result: rapidly biodegradable  
Biodegradation: 100 %  
Exposure time: 28 d  
Method: OECD 301 E

### methanesulphonic acid

#### 75-75-2:

Biodegradability : Result: rapidly biodegradable  
Biodegradation: > 99 %  
Exposure time: 28 d

## 12.3 Bioaccumulative potential

### Components:

#### Alcohols, C12-14, ethoxylated, sulfates, sodium salts

##### 68891-38-3:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

#### methanesulphonic acid

##### 75-75-2:

Partition coefficient: n-octanol/water : log Pow: -2,38

## 12.4 Mobility in soil

### Components:

#### Alcohols, C12-14, ethoxylated, sulfates, sodium salts

##### 68891-38-3:

Distribution among environmental compartments : Adsorption/Soil  
Medium: Soil  
Koc: 191 Method: see user defined free text

#### methanesulphonic acid

##### 75-75-2:

Distribution among environmental compartments : Koc: 1 Remarks: Highly mobile in soils

## 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:

#### Alcohols, C12-14, ethoxylated, sulfates, sodium salts

##### 68891-38-3:

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)..



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### 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 : 3265  
IMDG : 3265  
IATA : 3265

### 14.2 Proper shipping name

- ADR : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
(l-(+)-lactic acid)
- IMDG : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
(l-(+)-lactic acid)
- IATA : Corrosive liquid, acidic, organic, 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 : C3  
Packaging group : III  
Hazard Identification Number : 80  
Labels : 8



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Tunnel restriction code : (E)  
**IMDG**  
Packaging group : III  
Labels : 8  
EmS Number : F-A, S-B  
**IATA**  
**(Cargo)** : Corrosive liquid, acidic, organic, n.o.s. Not permitted for transport  
Packaging group : III  
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

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

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

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: 1,05 %  
: Carcinogenic substances: Not applicable  
: Mutagenic: Not applicable  
: Toxic to reproduction: Not applicable



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Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Update: Percent volatile: 1,06 %  
11,06 g/l  
VOC content valid only for coating materials used on wood surfaces

Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Update: Percent volatile: 1,06 %  
67,85 g/l  
VOC content excluding water

according to Detergents Regulation EC 648/2004 : 5 - <15% Anionic surfactants, <5% Non-ionic surfactants, Perfumes

GISBAU (D) : GS 50

### 15.2 Chemical safety assessment

#### 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.
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:	H290	On basis of test data.
	H319	On basis of test data.
	H315	On basis of test data.

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%



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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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