



## MANUDISH neoSmart 10X1 L

WM 0713649

Order number: 0713649

Version 5.0

Revision Date 28.06.2018

Print Date 15.10.2018

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

#### 1.1 Product identifier

Trade name : MANUDISH neoSmart 10X1 L  
Identification number : 61848

#### 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)

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

#### 2.2 Label elements

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

Hazard pictograms :



Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

Precautionary statements : P102 Keep out of reach of children.

##### Response:

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



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P337 + P313

If eye irritation persists: Get medical advice/  
attention.

**Disposal:**

P501

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

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

#### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
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	>= 10 - < 15
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	147170-44-3 931-296-8 01-2119488533-30	Eye Dam. 1; H318 Aquatic Chronic 3; H412  SCL > 4 - 10 % 2; H319 > 10,0 % 1; H318	>= 4 - < 5
sodium octyl sulphate	142-31-4 205-535-5 01-2119966154-35	Skin Corr. 2; H315 Eye Dam. 1; H318  SCL 10 - < 20 % 2; H319 >= 20,0 % 1; H318	>= 1 - < 2

For explanation of abbreviations see section 16.



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### 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.
- 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 : 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.

### 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



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- 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.

#### 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 : 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. 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. Store at room temperature in the original container.
- Other data : No decomposition if stored and applied as directed.



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### 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

<b>Alcohols, C12-14, ethoxylated, sulfates, sodium salts 68891-38-3:</b>	:	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>
	<b>1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts</b>	:



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### 147170-44-3:

End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 12,5 mg/kg

End Use: Consumers  
Exposure routes: Ingestion  
Potential health effects: Long-term systemic effects  
Value: 7,5 mg/kg

End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 7,5 mg/kg

### sodium octyl sulphate 142-31-4:

: End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 4060 mg/kg

End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 285 mg/m<sup>3</sup>

End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 2440 mg/kg

End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 85 mg/m<sup>3</sup>

End Use: Consumers  
Exposure routes: Ingestion  
Potential health effects: Long-term systemic effects  
Value: 24 mg/kg

### PNEC

#### 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



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Fresh water sediment  
Value: 5,45 mg/kg

Marine sediment  
Value: 0,545 mg/kg

Soil  
Value: 0,946 mg/kg

**1-Propanaminium, 3-amino-N-  
(carboxymethyl)-N,N-  
dimethyl-, N-coco acyl derivs.,  
hydroxides, inner salts  
147170-44-3:** : Fresh water  
Value: 0,0135 mg/l

Marine water  
Value: 0,00135 mg/l

STP  
Value: 3000 mg/l

Marine sediment  
Value: 0,1 mg/kg

Soil  
Value: 0,8 mg/kg

**sodium octyl sulphate  
142-31-4:** : Fresh water  
Value: 0,1357 mg/l

Marine water  
Value: 0,01357 mg/l

STP  
Value: 1,35 mg/l

Fresh water sediment  
Value: 1,5 mg/kg

Marine sediment  
Value: 0,15 mg/kg

Soil  
Value: 0,22 mg/kg

### 8.2 Exposure controls

#### Personal protective equipment

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

Hand protection



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- Material** : For prolonged or repeated contact use protective gloves.  
Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374-1: 2003 (0,4 mm).
- 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

- Appearance** : liquid
- Colour** : green
- Odour** : characteristic
- Odour Threshold** : No data available
- pH** : 5,5
- Melting point/range** : No data available
- Boiling point/boiling range** : No data 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** : 1,036 g/cm<sup>3</sup> at 20 °C





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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	: 1.000 mPa.s at 20 °C
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.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Product

Skin corrosion/irritation : May cause skin irritation in susceptible persons.



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- Serious eye damage/eye irritation : Vapours may cause irritation to the eyes, respiratory system and the skin.
- Respiratory or skin sensitisation : No data available
- Further information : No data available

### **Components:**

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

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

- Acute oral toxicity : LD50 Oral Rat: 4.100 mg/kg  
Method: OECD Test Guideline 401  
GLP: no
- 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 : Test Method: Maximisation Test  
Species: Guinea pig  
Result: Did not cause sensitisation on laboratory animals.  
Method: OECD Test Guideline 406
- Germ cell mutagenicity
- 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 : Rat: NOAEL: > 225 mg/kg



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Application Route: Oral  
Exposure time: 90 Days  
Method: OECD Test Guideline 408  
Target Organs: Liver

STOT - repeated exposure : Exposure routes: Ingestion  
Target Organs: Liver

### 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts

#### 147170-44-3:

Acute oral toxicity : LD50 Oral : > 8.000 mg/kg  
Method: OECD Test Guideline 401

LD50 Rat: 2.335 mg/kg

Acute dermal toxicity : LD50 Rat: > 2.000 mg/kg

Reproductive toxicity : Species: Rat  
Application Route: Oral  
NOAEL: 300 mg/kg

Teratogenicity : Species: Rat  
Application Route: Oral  
1.000 mg/kg  
100 mg/kg  
Method: see user defined free text

Repeated dose toxicity : Rat, male and female: NOAEL: 300 mg/kg

Application Route: Oral  
Exposure time: 90 d  
Method: see user defined free text

### sodium octyl sulphate

#### 142-31-4:

Acute oral toxicity : LD50 Oral Rat: > 2.000 mg/kg  
Method: OECD Test Guideline 423

Acute dermal toxicity : LD50 Dermal Rabbit: > 2.000 mg/kg  
Method: OECD Test Guideline 402

Skin corrosion/irritation : Result: Skin irritation

Serious eye damage/eye irritation : Result: Causes serious eye damage.



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Repeated dose toxicity	:	No observed adverse effect level: Rat: 488 mg/kg
		Application Route: Oral
		Method: OECD Test Guideline 408
		Lowest observed adverse effect level: Rat: 1016 mg/kg
		Application Route: Oral
		Method: OECD Test Guideline 408
	No observed adverse effect level: Mouse: 400 mg/kg	
	Application Route: Dermal	
	Method: OECD Test Guideline 411	

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

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	
	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	
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia pulex (Water flea)): 7,4 mg/l
		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	



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	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
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 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



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Toxicity to soil dwelling organisms : NOEC: 750 mg/kg  
Exposure time: 96 d  
Species: Eisenia fetida (earthworms)  
Method: OECD Test Guideline 222

### 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts 147170-44-3:

Toxicity to fish : LC50 (Calamus penna): 1,11 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Method: OECD Test Guideline 203  
  
EC10 (Fish): 1,11 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 6,5 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202  
  
EC50 (Daphnia magna (Water flea)): 0,3 mg/l  
Exposure time: 21 d  
Method: OECD Test Guideline 211

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 1,5 mg/l  
Exposure time: 72 h  
GLP: yes

Toxicity to bacteria : EC0 (Bacteria): > 3.000 mg/l  
GLP:

Toxicity to fish (Chronic toxicity) : NOEC: 0,135 mg/l  
Exposure time: 100 d  
Species: Oncorhynchus mykiss (rainbow trout)  
Method: OECD Test Guideline 210  
GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,32 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211  
GLP: yes

### sodium octyl sulphate 142-31-4:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): > 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



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Toxicity to algae	: EC50 : > 100 mg/l EC50 (Desmodesmus subspicatus (green algae)): > 511 mg/l Exposure time: 72 h
Toxicity to bacteria	: EC0 : > 100 mg/l
Toxicity to fish (Chronic toxicity)	: Lowest Observed Effect Concentration: > 1,357 mg/l Exposure time: 42 d Species: Pimephales promelas (fathead minnow)
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: 1,4 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211

### 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:

##### 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

##### 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts

###### 147170-44-3:

Biodegradability : Test Type: aerobic  
Concentration: 20 mg/l  
Result: rapidly biodegradable  
Biodegradation: 92 %  
Exposure time: 28 d  
Method: OECD 301 B

Test Type: anaerobic  
Concentration: 102,4 mg/l  
Biodegradation: 80 - 90 %  
Exposure time: 60 d  
Method: see user defined free text  
GLP: yes

Chemical Oxygen Demand (COD) : 1.000.000 mg/l



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### sodium octyl sulphate

142-31-4:

Biodegradability : Biodegradation: 98,2 %  
Remarks: Expected to be biodegradable

### 12.3 Bioaccumulative potential

#### Components:

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

68891-38-3:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

### 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: 191Method: see user defined free text

### 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)..

### 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.





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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**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

#### 14.2 Proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class

**ADR**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

#### 14.4 Packing group

**ADR**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

#### 14.5 Environmental hazards

**ADR**

Not dangerous goods

**IMDG**

Not regulated as a dangerous good

**IATA**

Not dangerous goods

#### 14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport 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.



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### 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: : portionClass 3: 0,02 %  
: Organic Substances: Not applicable  
: Carcinogenic substances: Not applicable  
: Mutagenic: Not applicable  
: Toxic to reproduction: Not applicable
- Volatile organic compounds (VOC) content : Percent volatile: 0,34 %  
21,42 g/l  
VOC content excluding water
- Volatile organic compounds (VOC) content : Percent volatile: 0,34 %  
3,5 g/l  
VOC content valid only for coating materials used on wood surfaces
- according to Detergents Regulation EC 648/2004 : 5 - <15% Anionic surfactants, <5% Amphoteric surfactants, Non-ionic surfactants, LACTIC ACID
- GISBAU (D) : GU 30

#### 15.2 Chemical safety assessment

### SECTION 16: Other information

#### Full text of H-Statements

- H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H412 Harmful to aquatic life with long lasting effects.



## MANUDISH neoSmart 10X1 L

WM 0713649

Order number: 0713649

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### Further information

Classification procedure: H319 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% 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.