



## MANUDISH LEMON 10 L

WM 1109926

Order number: 0708224

Version 6.2

Revision Date 05.02.2021

Print Date 13.08.2022

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

#### 1.1 Product identifier

Trade name : MANUDISH LEMON 10 L  
Identification number : 61718

#### 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

112  
Centru za kontrolu otrovanja u Zagrebu na tel. (01) 2348 342  
+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.

**Prevention:**  
P280 Wear protective gloves/ eye protection.

**Response:**  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if



## MANUDISH LEMON 10 L

WM 1109926

Order number: 0708224

Version 6.2

Revision Date 05.02.2021

Print Date 13.08.2022

P337 + P313 present and easy to do. Continue rinsing.  
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

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)
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
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 > 30 % 5; H303, H313	>= 2 - < 2,5

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.



## MANUDISH LEMON 10 L

WM 1109926

Order number: 0708224

Version 6.2

Revision Date 05.02.2021

Print Date 13.08.2022

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.  
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



## MANUDISH LEMON 10 L

WM 1109926

Order number: 0708224

Version 6.2

Revision Date 05.02.2021

Print Date 13.08.2022

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. Protect from frost.

### 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



## MANUDISH LEMON 10 L

WM 1109926

Order number: 0708224

Version 6.2

Revision Date 05.02.2021

Print Date 13.08.2022

**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 bw/day

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 bw/day

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>

**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts 147170-44-3:** : End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 44 mg/m<sup>3</sup>

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

### PNEC

**Alcohols, C12-14, ethoxylated, sulfates, sodium salts 68891-38-3:** : Fresh water  
Value: 0,24 mg/l



## MANUDISH LEMON 10 L

WM 1109926

Order number: 0708224

Version 6.2

Revision Date 05.02.2021

Print Date 13.08.2022

Marine water  
Value: 0,024 mg/l

STP  
Value: 10000 mg/l

intermittent release  
Value: 0,071 mg/l

Fresh water sediment  
Value: 5,45 mg/kg

Marine sediment  
Value: 0,545 mg/kg

Soil  
Value: 0,946 mg/kg dry weight (d.w.)

**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

### 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



## MANUDISH LEMON 10 L

WM 1109926

Order number: 0708224

Version 6.2

Revision Date 05.02.2021

Print Date 13.08.2022

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 : light yellow

Odour : fruity

Odour Threshold : No data available

pH : ca. 5,5

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. 1,022 g/cm<sup>3</sup>

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 : ca. 900 mPa.s

Viscosity, kinematic : No data available

Explosive properties : No data available

Oxidizing properties : No data available



## MANUDISH LEMON 10 L

WM 1109926

Order number: 0708224

Version 6.2

Revision Date 05.02.2021

Print Date 13.08.2022

### 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 : Protect from frost.

### 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

Our company is strongly against animal testing.  
Our company does not place any orders for animal testing for the finished product or the ingredients.  
However, as a result of EU legislation (REACH Regulation), the manufacturers of ingredients or EU importers are obliged to test ingredients with regard to their effects on human health and the environment before they are brought onto the market. Some of the tests made necessary by this took place decades ago.

#### Product

Skin corrosion/irritation : According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

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

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





## MANUDISH LEMON 10 L

WM 1109926

Order number: 0708224

Version 6.2

Revision Date 05.02.2021

Print Date 13.08.2022

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:

**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

LD50 Rat: 7.400 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

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



## MANUDISH LEMON 10 L

WM 1109926

Order number: 0708224

Version 6.2

Revision Date 05.02.2021

Print Date 13.08.2022

### 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

## 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



## MANUDISH LEMON 10 L

WM 1109926

Order number: 0708224

Version 6.2

Revision Date 05.02.2021

Print Date 13.08.2022

- 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  
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)



## MANUDISH LEMON 10 L

WM 1109926

Order number: 0708224

Version 6.2

Revision Date 05.02.2021

Print Date 13.08.2022

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

### 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

## 12.2 Persistence and degradability

### Product:



## MANUDISH LEMON 10 L

WM 1109926

Order number: 0708224

Version 6.2

Revision Date 05.02.2021

Print Date 13.08.2022

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

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

**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

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

### 12.5 Results of PBT and vPvB assessment

#### Components:



## MANUDISH LEMON 10 L

WM 1109926

Order number: 0708224

Version 6.2

Revision Date 05.02.2021

Print Date 13.08.2022

### 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.  
In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

## 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



## MANUDISH LEMON 10 L

WM 1109926

Order number: 0708224

Version 6.2

Revision Date 05.02.2021

Print Date 13.08.2022

### 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.

## 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

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: 0,3 %  
: Organic Substances: : portionClass 1: < 0,01 %  
: 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: 0,25 %  
31,15 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: 0,25 %  
2,55 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, Perfumes, LACTIC ACID

GISBAU (D) : GU 30

### 15.2 Chemical safety assessment

There is no data available for this product.



## MANUDISH LEMON 10 L

WM 1109926

Order number: 0708224

Version 6.2

Revision Date 05.02.2021

Print Date 13.08.2022

### 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.

#### 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: H319 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.