

## SANET LAVOCID

WM 0715812

Order number: 0715812

Version 1.1

Revision Date 18.06.2022

Print Date 24.06.2022

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

#### 1.1 Product identifier

Trade name : SANET LAVOCID  
UFI : NC41-V022-100U-K1GD

#### 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)  
Not a hazardous substance or mixture.

#### 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)  
Not a hazardous substance or mixture.

Safety data sheet available on request.

#### 2.3 Other hazards

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Components

Chemical name	CAS-No. EC-No. Index-No.	Classification	Concentration (% w/w)



## SANET LAVOCID

WM 0715812

Order number: 0715812

Version 1.1

Revision Date 18.06.2022

Print Date 24.06.2022

	Registration number		
citric acid	CITRIC ACID 201-069-1 01-2119457026-42	STOT SE 3; H335 Eye Irrit. 2; H319	$\geq 2 - < 5$
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3 500-234-8 01-2119488639-16	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412  specific concentration limit Eye Irrit. 2; H319 5 - < 10 % Eye Dam. 1; H318 $\geq 10,0$ %	$\geq 1 - < 2$

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.  
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.
- 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 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.

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

- Symptoms : No information available.
- 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

## SANET LAVOCID

WM 0715812

Order number: 0715812

Version 1.1

Revision Date 18.06.2022

Print Date 24.06.2022

circumstances and the surrounding environment.

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

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

Hazardous combustion products : No hazardous combustion products are known

### 5.3 Advice for firefighters

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

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

---

## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.

### 6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.

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

Methods for cleaning up : Neutralize with chalk, alkali solution or ammonia.  
Sweep up and shovel.  
Wipe up with absorbent material (e.g. cloth, fleece).  
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 : For personal protection see section 8.  
No special handling advice required.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : 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 : Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container.

## **SANET LAVOCID**

**WM 0715812**

**Order number: 0715812**

Version 1.1

Revision Date 18.06.2022

Print Date 24.06.2022

Advice on common storage : No special restrictions on storage with other products.

Further information on storage stability : No decomposition if stored and applied as directed.

### **7.3 Specific end use(s)**

Specific use(s) : <\*\* Phrase language not available: [ EN ] CUST - WM01.00062 \*\*>  
<\*\* Phrase language not available: [ EN ] CUST - WM01.00019 \*\*>  
<\*\* Phrase language not available: [ EN ] CUST - WM01.00022 \*\*>

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

Contains no substances with occupational exposure limit values.

### **8.2 Exposure controls**

#### **Personal protective equipment**

Eye protection : not required under normal use

Hand protection

Material : not required under normal use

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 under normal use

## **SECTION 9: Physical and chemical properties**

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

Appearance : liquid

Colour : pink

Odour : floral

Odour Threshold : No data available

pH : ca. 2,6, 100 %  
at 20 °C



## **SANET LAVOCID**

**WM 0715812**

**Order number: 0715812**

Version 1.1

Revision Date 18.06.2022

Print Date 24.06.2022

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> at 20 °C

Water solubility : soluble

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Ignition temperature : No data available

Thermal decomposition : No data available

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Explosive properties : No data available

Oxidizing properties : No data available

### **9.2 Other information**

none

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

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

### **10.2 Chemical stability**

No decomposition if stored and applied as directed.

### **10.3 Possibility of hazardous reactions**

Hazardous reactions : No hazards to be specially mentioned.

### **10.4 Conditions to avoid**

Conditions to avoid : No data available

### **10.5 Incompatible materials**

## SANET LAVOCID

WM 0715812

Order number: 0715812

Version 1.1

Revision Date 18.06.2022

Print Date 24.06.2022

Materials to avoid : No data available

### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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.

#### Acute toxicity

Acute toxicity : Not Rated

#### Components:

##### citric acid

#### CITRIC ACID:

Acute oral toxicity : LD50 Oral (Mouse): 5.400 mg/kg  
Method: OECD Test Guideline 401

LD50 Oral (Rat): > 2.000 mg/kg  
Method: OECD Test Guideline 402

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

#### 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

#### Product:

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

#### Components:

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

##### 68891-38-3:



## SANET LAVOCID

WM 0715812

Order number: 0715812

Version 1.1

Revision Date 18.06.2022

Print Date 24.06.2022

Species : Rabbit  
Assessment : Irritating to skin.  
Method : OECD Test Guideline 404

### Serious eye damage/eye irritation

#### Product:

Remarks : According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

#### Components:

##### citric acid

#### **CITRIC ACID:**

Result : Eye irritation

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

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

Species : Rabbit  
Assessment : Risk of serious damage to eyes.  
Method : OECD Test Guideline 405

### Respiratory or skin sensitisation

#### Product:

Remarks : No data available

#### Components:

##### citric acid

#### **CITRIC ACID:**

Result : Does not cause skin sensitisation.

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

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

Result : Does not cause skin sensitisation.

### Germ cell mutagenicity

Germ cell mutagenicity : Not Rated

#### Components:

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

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

Genotoxicity in vitro : Method: OECD Test Guideline 471  
Result: negative

Carcinogenicity : Not Rated

Reproductive toxicity : Not Rated



## SANET LAVOCID

WM 0715812

Order number: 0715812

Version 1.1

Revision Date 18.06.2022

Print Date 24.06.2022

STOT - single exposure : The substance or mixture is not classified as specific target organ toxicant, single exposure.

### STOT - repeated exposure

STOT - repeated exposure : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### Components:

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

68891-38-3:

Exposure routes : Ingestion  
Target Organs : Liver

### Repeated dose toxicity

### Components:

citric acid

CITRIC ACID:

Species : Rat  
NOAEL : 4.000 mg/kg  
LOAEL : 8.000 mg/kg  
Application Route : Oral  
Exposure time : 10 d

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

68891-38-3:

NOAEL : 300 mg/kg

Aspiration toxicity : Not Rated

## 11.2 Information on other hazards

### Further information

### Product:

Remarks : No data available

## SECTION 12: Ecological information

### 12.1 Toxicity

### Components:

citric acid

77-92-9:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 440 - 760 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 1.535 mg/l





## SANET LAVOCID

WM 0715812

Order number: 0715812

Version 1.1

Revision Date 18.06.2022

Print Date 24.06.2022

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

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

### 12.2 Persistence and degradability

#### Components:

citric acid

77-92-9:

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 97 %  
Exposure time: 28 d  
Method: OECD 301 B



## SANET LAVOCID

WM 0715812

Order number: 0715812

Version 1.1

Revision Date 18.06.2022

Print Date 24.06.2022

Result: Readily biodegradable.  
Biodegradation: 100 %  
Exposure time: 19 d  
Method: OECD 301 E

Biochemical Oxygen Demand (BOD) : 526 mg/g

Chemical Oxygen Demand (COD) : 728 mg/g

ThOD : 0,75 g/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

## 12.3 Bioaccumulative potential

### Components:

citric acid

77-92-9:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

### 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: Calculation method

## 12.5 Results of PBT and vPvB assessment

### Components:

citric acid

77-92-9:

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

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



## SANET LAVOCID

WM 0715812

Order number: 0715812

Version 1.1

Revision Date 18.06.2022

Print Date 24.06.2022

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 : In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.

---

## SECTION 14: Transport information

### 14.1 UN number

**ADR**

Not dangerous goods

**RID**

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

**RID**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

### 14.4 Packing group

**ADR**

Not dangerous goods

**RID**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

### 14.5 Environmental hazards

**ADR**

Not dangerous goods

**RID**

## SANET LAVOCID

WM 0715812

Order number: 0715812

Version 1.1

Revision Date 18.06.2022

Print Date 24.06.2022

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.

## 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: < 0,01 %  
: Organic Substances: : portionClass 1: 3,33 %  
: 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: 0,03 %  
8,39 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: 0,03 %  
0,3 g/l  
VOC content valid only for coating materials used on wood surfaces

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



## **SANET LAVOCID**

**WM 0715812**

**Order number: 0715812**

Version 1.1

Revision Date 18.06.2022

Print Date 24.06.2022

### **15.2 Chemical safety assessment**

#### **SECTION 16: Other information**

##### **Full text of H-Statements**

H315	:	Causes skin irritation.
H318	:	Causes serious eye damage.
H319	:	Causes serious eye irritation.
H335	:	May cause respiratory irritation.
H412	:	Harmful to aquatic life with long lasting effects.

##### **Full text of other abbreviations**

Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Dam.	:	Serious eye damage
Eye Irrit.	:	Eye irritation
Skin Irrit.	:	Skin irritation
STOT SE	:	Specific target organ toxicity - single exposure

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; AIIIC - Australian Inventory of Industrial Chemicals; 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; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

##### **Further information**

###### **Classification of the mixture:**

###### **Classification procedure:**

Calculation method

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.



## **SANET LAVOCID**

**WM 0715812**

**Order number: 0715812**

Version 1.1

Revision Date 18.06.2022

Print Date 24.06.2022

REG\_EU / EN

500000005403