

# Safety data sheet

According to Regulation (EC) No. 1907/2006 (REACH)

Date of issue: 24.03.2020      Supersedes edition of: 08.05.2019

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

### 1.1 Product identifier

Product name:            Sanicitro EU

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Sanitary cleaner

### 1.3 Details of the supplier of the safety data sheet

Company:                Otto Oehme GmbH  
                              Industriestraße 20  
                              D-90584 Allersberg Deutschland  
                              Tel. +49 9176 98050  
                              info@oehme-lorito.de

### 1.4 Emergency telephone number

GIZ Nord Poisons Centre, Göttingen Tel. +49 (0) 551 19240

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

*Classification (Regulation (EC) No. 1272/2008)*

Eye Irrit. 2, H319

Full text of hazard statements: See under section 16.

### 2.2 Label elements

*Labelling (Regulation (EC) No. 1272/2008)*

*Hazard pictograms:*



*Signal word:*

Warning

*Hazard statements:*

H319 Causes serious eye irritation.

*Precautionary statements:*

P280 Wear protective gloves/eye protection.

P337 + P313 If eye irritation persists: Get medical advice/attention.

### 2.3 Other hazards

Not known.

**SECTION 3: Composition / information on ingredients**

Solution in water.

*Hazardous components (Regulation (EC) No. 1272/2008)*

<i>Chemical name</i>				<i>Content</i>
<i>CAS-No.</i>	<i>EC-No.</i>	<i>EC-Index-No.</i>	<i>Classification</i>	
Isotridecanol, ethoxylated				< 5 %
69011-36-5	500-241-6		Eye Dam. 1, H318 Acute Tox. 4, H302	
REACH Registration Number: 02-2119552461-55				
Citric acid monohydrate				< 10%
5949-29-1	201-069-1		Eye Irrit. 2, H319	
REACH Registration Number: 01-2119457026-42				

Full text of hazard statements: See under section 16.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

After inhalation: Fresh air. Call in physician if feeling unwell.

After skin contact: Wash off with plenty of water. Remove contaminated clothing. Consult a physician if skin irritations occur.

After eye contact: Rinse out with plenty of water with the eyelid held wide open. Call in ophthalmologist.

After swallowing: Make victim drink plenty of water (two glasses at most), avoid vomiting. Call in physician.

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

Irritant effects, pain, bloody vomiting.

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

No information available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media***Suitable extinguishing media*

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

*Unsuitable extinguishing media*

For this substance / mixture no limitations of extinguishing agents are given.

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

Not Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

**5.3 Advice for firefighters***Special protective equipment for firefighters*

Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

*Further information*

Prevent fire-fighting water from entering surface water or groundwater.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Caution: Risk of slipping.

Do not inhale vapours/aerosols. Avoid substance contact. Use personal protective equipment as required, see section 8.2. Ensure supply of fresh air in enclosed rooms. In case of inadequate ventilation wear respiratory protection.

**6.2 Environmental precautions**

Do not get undiluted into sewerage system.

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

Take up with incombustible liquid-absorbent material. Forward for disposal. Clean up affected area.

**6.4 Reference to other sections**

Indications about waste treatment see section 13.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling***Notes for safe handling*

Ensure adequate ventilation. Avoid contact with skin and eyes. Do not inhale vapours/aerosols. Avoid generation of vapours/aerosols.

*Notes for prevention of fire and explosion*

Not required.

**7.2 Conditions for safe storage, including any incompatibilities**

Store cool above 5 °C. Keep away from sun and heat.

Tightly closed in a well-ventilated place.

**7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

Contains no substances with occupational exposure limit values.

Product name: Sanicitro EU  
Revision date: 24.03.2020

## 8.2 Exposure controls

### *Individual protection measures*

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

### **Eye / face protection:**

Eye protection (EN 166).

### **Hand protection:**

Material: Nitrile rubber.

Thickness: 0.1 mm

Breakthrough time: > 480 min

The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN 374, e.g. Franz Mensch Nitrile Safe Premium.

This recommendation applies only to the product stated in the safety data sheet supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves.

### **Respiratory protection:**

Required when vapours/aerosols are generated. Filter A2 P2 (EN 14387).

### *Hygiene measures*

Change contaminated clothing. Apply skin- protective barrier cream. Wash hands and face after working with substance.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form:	liquid
Colour:	red
Odour:	perfumed
pH value	~ 2.1
Melting point	not specified
Boiling point	not specified
Ignition temperature	not applicable
Flash point	not applicable
Explosion limits	lower not applicable
	upper not applicable
Density (20 °C)	~ 1 g/cm <sup>3</sup>
Solubility in water	miscible

### 9.2 Other information

None.

Product name: Sanicitro EU  
Revision date: 24.03.2020

**SECTION 10: Stability and reactivity****10.1 Reactivity**

See section 10.3.

**10.2 Chemical stability**

The product is chemically stable under standard ambient conditions (room temperature).

**10.3 Possibility of hazardous reactions**

Violent reactions possible with: Metals, oxidizing agents, bases, reducing agents.

**10.4 Conditions to avoid**

Strong heating.

**10.5 Incompatible materials**

Metals, corrosive substances, halogenes, bases, acids, reactive chemicals.

**10.6 Hazardous decomposition products**

No information available.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects***Acute oral toxicity*

LD<sub>50</sub> rat: 500 - 2000 mg/kg (OECD 423; Isotridecanol, ethoxylated)

LD<sub>50</sub> rat: 3000 mg/kg (external MSDS; Citric acid, anhydrous)

Symptoms: In high doses: Irritation of mucous membranes, pain, bloody vomiting.

*Acute inhalation toxicity*

Symptoms: Irritant effects on respiratory tract.

*Skin irritation*

Rabbit: No irritation (OECD 404; Isotridecanol, ethoxylated).

Rabbit: No irritation (OECD 404; Citric acid, anhydrous).

*Eye irritation*

Rabbit: Eye irritation (OECD 405; Isotridecanol, ethoxylated).

Causes serious eye irritation.

Rabbit: Strong irritations (OECD 405; Citric acid, anhydrous).

Causes serious eye irritations.

*Genotoxicity in vitro*

Ames test: Negative (external MSDS; Citric acid, anhydrous).

*Reproductive toxicity*

No impairment of reproductive performance in animal experiments (external MSDS; Citric acid, monohydrate).

*Teratogenicity*

Did not show teratogenic effects in animal experiments (external MSDS; Citric acid, monohydrate).

*Specific target organ toxicity – single exposure*

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

*Specific target organ toxicity – repeated exposure*

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

*Aspiration hazard*

No aspiration toxicity classification.

**11.2 Further information**

Further hazardous properties cannot be excluded. The product should be handled with the care usual when dealing with chemicals.

**SECTION 12: Ecological information****12.1 Toxicity***Toxicity to fish*

Leuciscus idus LC<sub>50</sub>: 1 – 10 mg/l /96 h (external MSDS; Isotridecanol, ethoxylated)

Leuciscus idus LC<sub>50</sub>: 440 - 760 mg/l /96 h (IUCLID; Citric acid, anhydrous)

*Toxicity to daphnia and other aquatic invertebrates*

Aquatic invertebrates: EC<sub>50</sub>: 1 – 10 mg/l /48 h (external MSDS; Isotridecanol, ethoxylated)

Entosiphon sulcatum: EC<sub>5</sub>: 485 mg/l /72 h (maximum permissible toxic concentration; external MSDS; Citric acid, anhydrous)

Daphnia magna: EC<sub>50</sub>: 120 mg/l /72h (IUCLID; Citric acid, anhydrous)

*Toxicity to algae*

EC<sub>50</sub>: 1 – 10 mg/l /72 h (external MSDS; Isotridecanol, ethoxylated)

Microcystis aeruginosa: IC<sub>5</sub>: 80 mg/l /8 d (maximum permissible toxic concentration; external MSDS; Citric acid, anhydrous)

*Toxicity to bacteria*

Activated sludge: EC<sub>10</sub>: > 10000 mg/l /17 h (DIN 38412 (8); Isotridecanol, ethoxylated)

Pseudomonas putida EC<sub>5</sub>: > 10000 mg/l /16 h (external MSDS; Citric acid, anhydrous)

**12.2 Persistence and degradability***Biodegradability*

The surfactants contained in this preparation complies with the Biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Data to support this assertion are held at the disposal of the competent authorities of the member states and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Biodegradation: > 60 % / 28 d (OECD 301B; Isotridecanol, ethoxylated)

Readily biodegradable (Isotridecanol, ethoxylated)

Biodegradation: 98 % / 2 d (OECD 302B; Citric acid, anhydrous)

Readily biodegradable (Citric acid, anhydrous)

*Biochemical oxygen demand (BOD)*

481 mg/g /5 d (external MSDS; Citric acid, monohydrate)

*Chemical oxygen demand (COD)*

685 mg/g (external MSDS; Citric acid, monohydrate)

Product name: Sanicitro EU  
Revision date: 24.03.2020

*Theoretical oxygen demand (ThOD)*

686 mg/g (external MSDS; Citric acid, monohydrate)

**12.3 Bioaccumulative potential**

No bioaccumulation is to be expected (external MSDS; Isotridecanol, ethoxylated).

Partition coefficient: n-octanol / water: log P<sub>ow</sub>: -1.72 (IUCLID; Citric acid, monohydrate).

No bioaccumulation is to be expected (Citric acid, monohydrate).

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

PBT / vPvB assessment not available as chemical safety assessment not required / not conducted.

**12.6 Other adverse effects***Further information on ecology*

COD: 2.1 g/g (external MSDS; Isotridecanol, ethoxylated).

Do not allow to enter waters, waste water, or soil!

**SECTION 13: Disposal considerations****13.1 Waste treatment methods***Product:*

Chemicals must be disposed of in compliance with the respective national regulations.

Code of the waste

200129\*

070601\*

Name according to directive 2000/532/EC:

detergents containing dangerous substances.

aqueous washing liquids and mother liquors.

*Packaging:*

Product packaging must be disposed of in compliance with the country-specific regulations or must be to a packaging return system.

Code of the waste

200139

Name according to directive 2000/532/EC:

plastics.

**SECTION 14: Transport information**

Not classified as dangerous in the meaning of transport regulations.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture***EU regulations*

Ingredients according to Regulation (EC) on detergents No. 648/2004:

Non-ionic surfactants: Less than 5 %

Perfumes.

### **15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out.

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

*Reason for alteration:*

SECTION 8: Exposure controls/personal protection

Exposure controls:

SECTION 9: Physical and chemical properties

SECTION 15: Regulatory information

*Full text of hazard statements referred to under sections 2 and 3:*

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

*The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.*