

* Tolo-Sept SD

Date revised: 25.04.2023

8740017501

Version: 4 / GB

Master No. MA-231

Print date: 17.04.2024

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

1.1. Product identifier

Trade name

Tolo-Sept SD

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

Use of the substance/mixture

Disinfectant

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

BÜFA Cleaning GmbH & Co. KG

August-Hanken-Str. 30

26125 Oldenburg

Telephone no. +49 441 9317 0

Fax no. +49 441 9317 100

Information provided Department product safety / +49 441 9317 108

by / telephone

E-Mail sds-cleaning@buefa.de

1.4. Emergency telephone number

Poison Information Center Goettingen: +49 551 19240

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

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

Acute Tox. 4 H302

Skin Irrit. 2 H315

Eye Dam. 1 H318

Aquatic Acute 1 H400

Aquatic Chronic 2 H411

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008**Hazard pictograms****Signal word**

Danger

Hazard statements

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

* Tolo-Sept SD

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P273	Avoid release to the environment.
P280.2	Wear protective gloves/ eye/ face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor.
P330	Rinse mouth.
P391	Collect spillage.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains didecyldimethylammonium chloride; Isotridecanol, ethoxylated (5-20 EO); N-(3-Aminopropyl)-N-dodecylpropan-1,3-diamine

2.3. Other hazards

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous ingredients****didecyldimethylammonium chloride**

CAS No.	7173-51-5
EINECS no.	230-525-2
Registration no.	01-2119945987-15-XXXX
Concentration	>= 10 < 11 %
Acute Tox. 3	H301
Skin Corr. 1B	H314
Aquatic Acute 1	H400
Aquatic Chronic 2	H411

ATE	oral	238	mg/kg
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Isotridecanol, ethoxylated (5-20 EO)

CAS No.	69011-36-5
EINECS no.	500-241-6
Registration no.	01-2119976362-32-XXXX
Concentration	>= 3 < 10 %
Acute Tox. 4	H302
Eye Dam. 1	H318

Concentration limits (Regulation (EC) No. 1272/2008)

	Eye Irrit. 2	H319	>= 1 < 10 %
	Eye Dam. 1	H318	>= 10
ATE	oral	1.000	mg/kg

propan-2-ol

CAS No.	67-63-0
EINECS no.	200-661-7
Registration no.	01-2119457558-25-XXXX
Concentration	>= 1 < 10 %
Flam. Liq. 2	H225
Eye Irrit. 2	H319
STOT SE 3	H336

N-(3-Aminopropyl)-N-dodecylpropan-1,3-diamine

CAS No.	2372-82-9
EINECS no.	219-145-8

* Tolo-Sept SD

Date revised: 25.04.2023

8740017501

Version: 4 / GB

Master No. MA-231

Print date: 17.04.2024

Registration no.	01-2119980592-29-XXXX		
Concentration	>=	1	< 2,5 %
Acute Tox. 3	H301		
Skin Corr. 1B	H314		
STOT RE 2	H373		
Aquatic Acute 1	H400		
Aquatic Chronic 1	H410		
Eye Dam. 1	H318		

Concentration limits (Regulation (EC) No. 1272/2008)

	Aquatic Acute 1	H400	M = 10
ATE	oral	226	mg/kg

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

Wash off immediately with soap and water.

After eye contact

In case of contact with the eyes rinse thoroughly with plenty of water or with an eye-cleaning solution. Seek medical advice immediately.

After ingestion

Rinse out mouth and give plenty of water to drink. Seek medical advice immediately.

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

There is no further relevant information available

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

There is no further relevant information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide, Dry powder, Water spray jet

5.2. Special hazards arising from the substance or mixture

If a fire breaks out nearby, pressure build-up and danger of bursting are possible.

5.3. Advice for firefighters

Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product. Use personal protective clothing. Keep away sources of ignition.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). When picked up, treat material as prescribed under Section 13 "Disposal".

* Tolo-Sept SD

Date revised: 25.04.2023

8740017501

Version: 4 / GB

Master No. MA-231

Print date: 17.04.2024

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Observe the usual precautions for handling chemicals. Provide good ventilation of working area (local exhaust ventilation if necessary).

Keep away from sources of ignition - No smoking. Take action to prevent static discharges. Vapours can form an explosive mixture with air.

7.2. Conditions for safe storage, including any incompatibilities

Emptied containers may contain product residues and therefore must be handled with care. Reuse only after appropriate cleaning. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Protect from heat and direct sunlight.

7.3. Specific end use(s)

No information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

propan-2-ol

List	EH40			
Type	WEL			
Value	999	mg/m ³	400	ppm(V)
Short term exposure limit	1250	mg/m ³	500	ppm(V)

8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions for handling chemicals. The following information on personal protective equipment (PPE) is to be understood as a suggestion. The selection of the necessary PPE must be considered by the employer depending on the activities to be carried out and the local conditions. If it is determined during the on-site risk assessment that there is no danger to the employee, there is no need to wear PPE or the scope of the PPE to be used can be adjusted accordingly.

Respiratory protection

Not necessary.

Hand protection

Chemical resistant gloves

Appropriate Material	nitrile		
Material thickness	>	0,35	mm
Breakthrough time	>	480	min

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374.

Check leaktightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye protection

Tightly fitting safety glasses

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties

* Tolo-Sept SD

Date revised: 25.04.2023

8740017501

Version: 4 / GB

Master No. MA-231

Print date: 17.04.2024

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	clear
Odour	Product specific
Melting point	
Remarks	not determined
Boiling point	
Remarks	not determined
Flammability	
evaluation	not determined
Explosion limits	
Remarks	not determined
Flash point	
Value	appr. 54 °C
Ignition temperature	
Remarks	not determined
Thermal decomposition	
Remarks	Not relevant
pH value	
Value	9,0 to 10,0
Solubility in other solvents	not determined
Octanol/water partition coefficient (log Pow)	
Remarks	Not relevant
Vapour pressure	
Remarks	not determined
Density	
Value	appr. 0,99 kg/l
Temperature	20 °C
Vapour density	
Remarks	not determined
Particle characteristics	
Remarks	irrelevant (liquid)

9.2. Other information

Odour threshold	
Remarks	No data available
Solubility in water	
Remarks	miscible

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

* Tolo-Sept SD

Date revised: 25.04.2023

8740017501

Version: 4 / GB

Master No. MA-231

Print date: 17.04.2024

10.4. Conditions to avoid

Protect from heat and direct sunlight.

Thermal decomposition

Remarks Not relevant

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

No hazardous decomposition products known.

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

ATE	1.694	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	
The classification criteria are met.		

Acute oral toxicity (Components)**didecyldimethylammonium chloride****Isotridecanol, ethoxylated (5-20 EO)**

Reference substance	Isotridecanol, ethoxylated (5-20 EO)	
Species	rat	
LD50	appr. 1000	mg/kg
Source	Literature value	

N-(3-Aminopropyl)-N-dodecylpropan-1,3-diamine

LD50	243,6	mg/kg
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Acute dermal toxicity

Based on available data, the classification criteria are not met.

Acute dermal toxicity (Components)**Isotridecanol, ethoxylated (5-20 EO)**

Reference substance	Isotridecanol, ethoxylated (5-20 EO)	
Species	rabbit	
LD50	> 2000	mg/kg
Method	Value taken from the literature	

Acute inhalational toxicity

Based on available data, the classification criteria are not met.

Acute inhalative toxicity (Components)

No toxicological data are available.

Skin corrosion/irritation

evaluation	irritant
The classification criteria are met.	

Serious eye damage/irritation

evaluation	corrosive
The classification criteria are met.	

Sensitization

Based on available data, the classification criteria are not met.

Sensitization (Components)

Based on available data, the classification criteria are not met.

Mutagenicity

Based on available data, the classification criteria are not met.

* Tolo-Sept SD

Date revised: 25.04.2023

8740017501

Version: 4 / GB

Master No. MA-231

Print date: 17.04.2024

Reproductive toxicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (STOT)**Single exposure**

Based on available data, the classification criteria are not met.

Repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity****Isotridecanol, ethoxylated (5-20 EO)**

Reference substance	Isotridecanol, ethoxylated (5-20 EO)			
Species	zebra fish (<i>Brachydanio rerio</i>)			
LC50	10	to	100	mg/l
Method	OECD 203			

Daphnia toxicity**Isotridecanol, ethoxylated (5-20 EO)**

Reference substance	Isotridecanol, ethoxylated (5-20 EO)			
Species	Daphnia magna			
EC50	> 1	to	10	mg/l
Method	OECD 202			

Algae toxicity

For this subsection there is no ecotoxicological data available on the product as such.

Bacteria toxicity**Isotridecanol, ethoxylated (5-20 EO)**

Reference substance	Isotridecanol, ethoxylated (5-20 EO)			
Species	activated sludge			
EC50	140			mg/l
Source	Literature value			

12.2. Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3. Bioaccumulative potential

For this subsection there is no ecotoxicological data available on the product as such.

Octanol/water partition coefficient (log Pow)

Remarks Not relevant

12.4. Mobility in soil

For this subsection there is no ecotoxicological data available on the product as such.

12.5. Results of PBT and vPvB assessment

* Tolo-Sept SD

Date revised: 25.04.2023

8740017501

Version: 4 / GB

Master No. MA-231

Print date: 17.04.2024

Results of PBT and vPvB assessment

The product contains no PBT substances. The product contains no vPvB substances.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

For this subsection there is no ecotoxicological data available on the product as such.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Completely emptied packagings can be given for recycling.

SECTION 14: Transport information

* Tolo-Sept SD





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8740017501

Version: 4 / GB

Master No. MA-231

Print date: 17.04.2024

	Land transport ADR/RID	Marine transport IMDG/GGVSee
14.1. UN number	3082	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (didecyldimethylammonium chloride)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (didecyldimethylammonium chloride)
14.3. Transport hazard class(es)	9	9
14.4. Packing group	III	III
Label		
14.5. Environmental hazards		
Marine Pollutant		Marine Pollutant
Limited Quantity	5 l	5 l
Transport category	3	
Tunnel restriction code	-	
Hazard id. no.	90	
EmS		F-A, S-F

Information for all modes of transport**14.6. Special precautions for user**

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Other information**14.7 Maritime transport in bulk according to IMO instruments**

Not relevant

SECTION 15: Regulatory information *****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Major-accident categories acc. 2012/18/EU**

Category E1 Hazardous to the Aquatic Environment

Ingredients (Regulation (EC) No 648/2004)

* Tolo-Sept SD

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8740017501

Version: 4 / GB

Master No. MA-231

Print date: 17.04.2024

5 % or over but less than 15 %:

cationic surfactants, non-ionic surfactants

VOC

VOC (EU) 7,92 %

Other information ***

The product does not contain substances according to: Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH).

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:**

Acute Tox. 4	H302	Calculation method
Skin Irrit. 2	H315	Calculation method
Eye Dam. 1	H318	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 2	H411	Calculation method

Hazard statements listed in Chapter 2/3

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 2/3

Acute Tox. 3	Acute toxicity, Category 3
Acute Tox. 4	Acute toxicity, Category 4
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 2	Flammable liquid, Category 2
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Skin irritation, Category 2
STOT RE 2	Specific target organ toxicity - repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route
 RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses
 GGVSee: Gefahrgutverordnung See
 IMDG: International Maritime Code for Dangerous Goods
 CAS: Chemical Abstracts Service
 EAK: Europäischer Abfallkatalog
 EINECS: European Inventory of Existing Commercial Chemical Substances
 VOC: Volatile Organic Compound
 GefStoffV: Gefahrstoffverordnung

*** Tolo-Sept SD**

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8740017501

Version: 4 / GB

Master No. MA-231

Print date: 17.04.2024

TA Luft: Technische Anleitung zur Reinhaltung der Luft

INCI: International Nomenclature of Cosmetic Ingredients

n.a.g.: nicht anders genannt

MAK: Maximale Arbeitsplatz-Konzentration

AGW: Arbeitsplatzgrenzwert

BGW: Biologischer Grenzwert

TRGS: Technische Regeln für Gefahrstoffe

OEL: Occupational exposure limit

SUVA: Schweizerische Unfallversicherungsanstalt

WEL: Workplace exposure limit

MAC: Maximale aanvaarde concentratie (Netherlands)

MEL: Maximum exposure limits

NOEL: No observable effect level

NOEC: No observable effect concentration

LD: Lethal dose

LC: Lethal concentration

LLC: Lowest lethal concentration

PBT: Persistent, Bioaccumulative and Toxic

vPvB: Very persistent and very bioaccumulative

SVHC: Substances of very high concern

DNEL: Derived no effect level

DMEL: Derived minimal effect level

PNEC: Predicted no effect concentration

PEC: Predicted environmental concentration

GHS: Globally Harmonized System of classification and Labelling of Chemicals

REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals

UN: United Nations

EG: Europäische Gemeinschaft

EWG: Europäische Wirtschaftsgemeinschaft

EU: European Union

HSNO: Hazardous Substances and New Organisms Act (New Zealand)

ATE: Acute Toxicity Estimate

STOT: Specific Target Organ Toxicity

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.