

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

# Planol

## Planosept

Revision date: 26.04.2021

Product code: 00514-0040

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

#### 1.1. Product identifier

Planosept

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

##### Use of the substance/mixture

Cleaning agent

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

Company name: Planol GmbH + Co. KG  
Street: Maybachstr. 17  
Place: D-63456 Hanau  
Telephone: +49 (0) 6181 94570-10      Telefax: +49 (0) 6181 94570-29  
Internet: www.planol.de  
Responsible Department: Labor

**1.4. Emergency telephone number:** +49 (0) 6132 / 84463 (GBK GmbH)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Hazard categories:

Substance or mixture corrosive to metals: Met. Corr. 1

Skin corrosion/irritation: Skin Corr. 1

Serious eye damage/eye irritation: Eye Dam. 1

Hazardous to the aquatic environment: Aquatic Acute 1

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

May be corrosive to metals.

Causes severe skin burns and eye damage.

Causes serious eye damage.

Very toxic to aquatic life.

Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

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

##### Hazard components for labelling

Isotridecanol, ethoxylated (>7 - <15 EO)

didecyldimethylammonium chloride

tetrasodium ethylene diamine tetraacetate

Disodium metasilicate

**Signal word:** Danger

**Pictograms:**



##### Hazard statements

H290      May be corrosive to metals.  
H314      Causes severe skin burns and eye damage.  
H400      Very toxic to aquatic life.  
H412      Harmful to aquatic life with long lasting effects.



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### Precautionary statements

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P406	Store in a corrosion-resistant container with a resistant inner liner.

### Additional advice on labelling

The product is labeled in accordance with Regulation (EC) no. 1272/2008 (GHS).

### 2.3. Other hazards

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Aqueous cleansing agent with surfactants

#### Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	GHS Classification			
69011-36-5	Isotridecanol, ethoxylated (>7 - <15 EO)			5 - < 10 %
	931-138-8			
	Acute Tox. 4, Eye Dam. 1; H302 H318			
7173-51-5	didecyldimethylammonium chloride			1 - < 5 %
	230-525-2	612-131-00-6	01-2119945987-15	
	Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 2; H301 H314 H318 H400 H411			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			1 - < 5 %
	200-661-7	603-117-00-0	01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
64-02-8	tetrasodium ethylene diamine tetraacetate			1 - < 5 %
	200-573-9	607-428-00-2	01-2119486762-27	
	Acute Tox. 4, Acute Tox. 4, Eye Dam. 1, STOT RE 2; H332 H302 H318 H373			
10213-79-3	Disodium metasilicate			1 - < 5 %
	229-912-9		01-2119449811-37	
	Met. Corr. 1, Skin Corr. 1B, STOT SE 3; H290 H314 H335			
497-19-8	sodium carbonate			1 - < 5 %
	207-838-8	011-005-00-2	01-2119485498-19	
	Eye Irrit. 2; H319			

Full text of H and EUH statements: see section 16.



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### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
69011-36-5	931-138-8	Isotridecanol, ethoxylated (>7 - <15 EO)	5 - < 10 %
		oral: ATE = 500 mg/kg Eye Dam. 1; H318: >= 10 - 100 Eye Irrit. 2; H319: >= 1 - < 10	
7173-51-5	230-525-2	didecyldimethylammonium chloride	1 - < 5 %
		dermal: LD50 = 3342 mg/kg; oral: LD50 = 238 mg/kg M akut; H400: M=10	
67-63-0	200-661-7	propan-2-ol; isopropyl alcohol; isopropanol	1 - < 5 %
		dermal: LD50 = 12800 mg/kg; oral: LD50 = 5050 mg/kg	
64-02-8	200-573-9	tetrasodium ethylene diamine tetraacetate	1 - < 5 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); oral: ATE = 500 mg/kg	
497-19-8	207-838-8	sodium carbonate	1 - < 5 %
		oral: LD50 = > 4900 mg/kg	

### Further Information

Ingredients according to EC Detergents Regulation 648/2004:

Non-ionic surfactants: 5 - 15 %

cationic surfactants: < 5 %

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Take away from danger area and lay down affected person. Take affected person into fresh air. In case of the person being unconscious put him/her in a stable side position. Do not leave casualty unattended. Consult a physician.

#### After inhalation

Ensure of fresh air. In case of inhalation of aerosol/mist consult a physician if necessary. If threatening unconsciousness, position and transport in recovery position.

#### After contact with skin

Wash hands with water as a precaution. Remove contaminated clothing immediately and dispose of safely. Remove the casualty into fresh air and keep him immobile. If symptoms develop, seek medical attention.

#### After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

#### After ingestion

Rinse out mouth and give plenty of water to drink. Ensure of fresh air. Do not provoke vomiting. Consult physician. Attention in case of vomiting - acute danger of suffocating, produced by foaming ingredients. Rinse mouth. Make drink some glasses of water. The decision whether to provoke vomiting is to be taken by a physician.

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

Causes severe skin burns and eye damage. Watch out. Beware, hazard of foam aspiration. Possibility of strong irritations in the case of contact with eye-, skin or mucous membranes because of the high ph-value.

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

Treat symptoms.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray

#### Unsuitable extinguishing media

Not known.



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

Not known.

### **5.3. Advice for firefighters**

No specific fire preventions necessary.

### **Additional information**

Cool containers at risk with water spray jet. Collect contaminated firefighting water separately, must not be discharged into the drains. Do not discharge into the drains/surface waters/ground water.

## **SECTION 6: Accidental release measures**

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

#### **General measures**

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. High risk of slipping due to leakage/spillage of product.

#### **For non-emergency personnel**

Avoid contact with skin, eyes and clothing.

#### **For emergency responders**

Use personal protective clothing.

Remove persons to safety.

### **6.2. Environmental precautions**

Dilute with plenty of water.

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

#### **Other information**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Shovel into suitable container for disposal. Clean contaminated surface thoroughly.

### **6.4. Reference to other sections**

Information for disposal see section 13.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Keep container tightly closed. Use only in thoroughly ventilated areas. Avoid formation of aerosols. Use personal protective clothing. Avoid contact with eyes and skin.

#### **Advice on protection against fire and explosion**

No special precautions required.

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

#### **Requirements for storage rooms and vessels**

Provide alkali-resistant floor. Provide floor with bunding.

#### **Hints on joint storage**

Do not store with acids.

Do not store together with metals.

Keep away from food, drink and animal feeding stuffs.

#### **Further information on storage conditions**

Keep container tightly closed.

Keep from freezing.

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

Cleaning agent

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

### **8.1. Control parameters**



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### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

### 8.2. Exposure controls

#### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

#### Protective and hygiene measures

Wash hands before breaks and at the end of workday. Take off immediately all contaminated clothing. Avoid contact with skin, eyes and clothing.

#### Eye/face protection

Tightly fitting goggles (EN 166).  
Eye wash bottle with pure water (EN 15154).

#### Hand protection

Protective gloves (EN 374). Neoprene gloves. (recommended: minimum protection index 2, corresponding to a permeation rate > 30 minutes according to EN 374)

Not suitable: leather gloves.

Follow the recommendations of the glove manufacturer for breakthrough properties especially for workplace conditions involving mechanical stress and contact duration. Requirements can vary as a function of the use.

Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

#### Skin protection

Wear protective clothing.

#### Respiratory protection

No personal respiratory protective equipment normally required. In case of insufficient ventilation or long-term effect wear suitable respiratory equipment. Filter type A-P2.

## SECTION 9: Physical and chemical properties

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

Physical state:	Liquid
Colour:	Colourless
Odour:	Product-specific
pH-Value (at 20 °C):	11,8 - 12,5 (concentrated)

#### Changes in the physical state

Melting point:	No data available
Boiling point or initial boiling point and boiling range:	No data available
Flash point:	No data available
Sustaining combustion:	No data available

#### Explosive properties

The product is not explosive.

Lower explosion limits:	No data available
Upper explosion limits:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available

#### Oxidizing properties

Not fire-promoting.



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Vapour pressure: (at 20 °C)	No data available
Density (at 20 °C):	1,025 g/cm <sup>3</sup>
Water solubility: (at 20 °C)	Completely miscible
<b>Solubility in other solvents</b>	
No data available	
Partition coefficient n-octanol/water:	No data available
Viscosity / dynamic:	No data available
Viscosity / kinematic:	No data available

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

May be corrosive to metals.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Exothermic reaction with: Acids.  
Reactions with various metals.

### 10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.  
Keep from freezing.

### 10.5. Incompatible materials

Acids.  
Do not use metal containers or metal tools for picking up the product.

### 10.6. Hazardous decomposition products

No decomposition if stored and applied as directed.

## SECTION 11: Toxicological information

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

#### **Toxicokinetics, metabolism and distribution**

The product has not been tested. No toxicological data available.

#### **Acute toxicity**

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



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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
69011-36-5	Isotridecanol, ethoxylated (>7 - <15 EO)				
	oral	ATE 500 mg/kg			
7173-51-5	didecyldimethylammonium chloride				
	oral	LD50 238 mg/kg	Rat		OECD 401
	dermal	LD50 3342 mg/kg	Rabbit		
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	oral	LD50 5050 mg/kg	Rat		
	dermal	LD50 12800 mg/kg	Rabbit		
64-02-8	tetrasodium ethylene diamine tetraacetate				
	oral	ATE 500 mg/kg			
	inhalation vapour	ATE 11 mg/l			
	inhalation aerosol	ATE 1,5 mg/l			
497-19-8	sodium carbonate				
	oral	LD50 > 4900 mg/kg	Rat		

### Irritation and corrosivity

Causes severe skin burns and eye damage.

Causes serious eye damage.

### Sensitising effects

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

No sensitizing effect known.

### Carcinogenic/mutagenic/toxic effects for reproduction

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

### STOT-single exposure

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

### STOT-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

No data available

### Other information

Ingestion causes burns of the upper digestive and respiratory tracts. Hazard of gastric perforation. Watch out.

Beware, hazard of foam aspiration.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecological data are not available.



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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
7173-51-5	didecyldimethylammonium chloride					
	Acute fish toxicity	LC50 mg/l	0,19	96 h	Pimephales promelas	US-EPA
	Acute algae toxicity	ErC50 mg/l	0,026		Pseudokirchneriela subcapitata	OECD 201
	Acute crustacea toxicity	EC50 mg/l	0,062	48 h	Daphnia magna	EPA-FIFRA
	Fish toxicity	NOEC mg/l	0,032	34 d	Danio rerio	OECD 210
	Crustacea toxicity	NOEC mg/l	0,010	21 d	Daphnia magna	OECD 211
	Acute bacteria toxicity	(11 mg/l)		3 h	Activated sludge	OECD 209
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute fish toxicity	LC50 mg/l	> 1000	96 h		
	Acute crustacea toxicity	EC50 mg/l	> 1000	48 h		
497-19-8	sodium carbonate					
	Acute fish toxicity	LC50	300 mg/l	96 h	Lepomis macrochirus	
	Acute crustacea toxicity	EC50	265 mg/l	48 h	Daphnia magna	

### 12.2. Persistence and degradability

Product is biodegradable. (min. 90%)

The surfactant(s) contained in this preparation complies(comply) 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.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
7173-51-5	didecyldimethylammonium chloride			
	modif. Sturm-test	72 %	28	
	Readily biodegradable.			

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

No data available

### 12.6. Endocrine disrupting properties

No data available

### 12.7. Other adverse effects

If appropriate application no interferences in sewage treatment plants. (< 2000mg/l)

### Further information

Do not release undiluted or in higher quantities into the groundwater, sewerage or waters.

Risk of drinking water contamination even when low quantities are released into the ground.

## SECTION 13: Disposal considerations





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### 13.1. Waste treatment methods

#### Disposal recommendations

Can be disposed of after chemical and physical treatment, when in compliance with local regulations.

#### List of Wastes Code - residues/unused products

061301 WASTES FROM INORGANIC CHEMICAL PROCESSES; wastes from inorganic chemical processes not otherwise specified; inorganic plant protection products, wood-preserving agents and other biocides.; hazardous waste

#### List of Wastes Code - contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging


#### Contaminated packaging

Disposal in accordance with local regulations.


Cleaning agent: Water

## SECTION 14: Transport information

### Land transport (ADR/RID)

<b>14.1. UN number:</b>	UN 1719
<b>14.2. UN proper shipping name:</b>	CAUSTIC ALKALI LIQUID, N.O.S. (Isotridecanoethoxylate, didecyldimethylammonium chloride, tetrasodium ethylene diamine tetraacetate, Disodium metasilicate)
<b>14.3. Transport hazard class(es):</b>	8
<b>14.4. Packing group:</b>	II
Hazard label:	8
	
Classification code:	C5
Special Provisions:	274
Limited quantity:	1 L
Excepted quantity:	E2
Transport category:	2
Hazard No:	80
Tunnel restriction code:	E

### Inland waterways transport (ADN)

<b>14.1. UN number:</b>	UN 1719
<b>14.2. UN proper shipping name:</b>	CAUSTIC ALKALI LIQUID, N.O.S. (Isotridecanoethoxylate, didecyldimethylammonium chloride, tetrasodium ethylene diamine tetraacetate, Disodium metasilicate)
<b>14.3. Transport hazard class(es):</b>	8
<b>14.4. Packing group:</b>	II
Hazard label:	8
	
Classification code:	C5
Special Provisions:	274
Limited quantity:	1 L
Excepted quantity:	E2

### Marine transport (IMDG)



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**14.1. UN number:** UN 1719  
**14.2. UN proper shipping name:** CAUSTIC ALKALI LIQUID, N.O.S. (Isotridecanoethoxylate, didecyldimethylammonium chloride, tetrasodium ethylene diamine tetraacetate, Disodium metasilicate)  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** II  
Hazard label: 8



Special Provisions: 274  
Limited quantity: 1 L  
Excepted quantity: E2  
EmS: F-A, S-B

### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** UN 1719  
**14.2. UN proper shipping name:** CAUSTIC ALKALI LIQUID, N.O.S. (Isotridecanoethoxylate, didecyldimethylammonium chloride, tetrasodium ethylene diamine tetraacetate, Disodium metasilicate)  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** II  
Hazard label: 8



Special Provisions: A3 A803  
Limited quantity Passenger: 0.5 L  
Passenger LQ: Y840  
Excepted quantity: E2  
IATA-packing instructions - Passenger: 851  
IATA-max. quantity - Passenger: 1 L  
IATA-packing instructions - Cargo: 855  
IATA-max. quantity - Cargo: 30 L

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



Danger releasing substance: didecyldimethylammonium chloride

### 14.6. Special precautions for user

Take the usual precautions when handling with chemicals.

### 14.7. Maritime transport in bulk according to IMO instruments

The transport takes place only in approved and appropriate packaging.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3

2004/42/EC (VOC): < 5 %



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Information according to 2012/18/EU (SEVESO III):

E1 Hazardous to the Aquatic Environment

### Additional information

The product is labeled in accordance with Regulation (EC) no. 1272/2008 (GHS).

### National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age.

Water hazard class (D):

2 - obviously hazardous to water

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Changes

This data sheet contains changes from the previous version in section(s): 1,2,3,4,5,6,7,8,9,10,11,12,14,15,16.

### Abbreviations and acronyms

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (Agreement concerning the international carriage of Dangerous goods by Road)

IMDG-Code: International Maritime Code for Dangerous Goods

ICAO: International Civil Aviation Organisation (IATA: The International Air Transport Association)

GHS: Globally Harmonized System of Classification, Labelling and Packaging of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS-Nr.: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

### Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Met. Corr. 1; H290	On basis of test data
Skin Corr. 1; H314	On basis of test data
Eye Dam. 1; H318	On basis of test data
Aquatic Acute 1; H400	Calculation method
Aquatic Chronic 3; H412	Calculation method

### Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.



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### Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*

