

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

# Planol

## Grundreiniger Super

Revision date: 26.04.2021

Product code: 00514-0021

Page 1 of 12

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

#### 1.1. Product identifier

Grundreiniger Super

#### 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  
Internet: www.planol.de  
Responsible Department: Labor

Telefax: +49 (0) 6181 94570-29

#### 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  
Hazard Statements:  
May be corrosive to metals.  
Causes severe skin burns and eye damage.  
Causes serious eye damage.

#### 2.2. Label elements

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

##### Hazard components for labelling

Alcohols, C9-11-iso-, C10-rich, ethoxylated  
caustic potash, potassium hydroxide  
Disodium metasilicate  
Ammonia solution

Signal word: Danger

Pictograms:



##### Hazard statements

H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.

##### 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



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

# Planol

## Grundreiniger Super

Revision date: 26.04.2021

Product code: 00514-0021

Page 2 of 12

P310 present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER/doctor.

### Additional advice on labelling

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

### 2.3. Other hazards

Not sustaining combustion

## 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			
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether			10 - < 15 %
	203-905-0	603-014-00-0	01-2119475108-36	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H332 H312 H302 H315 H319			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			5 - < 10 %
	200-661-7	603-117-00-0	01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
78330-20-8	Alcohols, C9-11-iso-, C10-rich, ethoxylated			1 - < 5 %
	Acute Tox. 4, Eye Dam. 1; H302 H318			
61790-44-1	Fatty acids, tall-oil, potassium salts			1 - < 5 %
	263-136-1			
	Skin Irrit. 2, Eye Irrit. 2; H315 H319			
1310-58-3	caustic potash, potassium hydroxide			1 - < 5 %
	215-181-3	019-002-00-8	01-2119487136-33	
	Met. Corr. 1, Acute Tox. 4, Skin Corr. 1A; H290 H302 H314			
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			
15763-76-5	Sodium p-cumenesulphonate			1 - < 5 %
	239-854-6		01-2119489411-37	
	Eye Irrit. 2; H319			
1336-21-6	Ammonia solution			1 - < 5 %
	215-647-6	007-001-01-2	01-2119982985-14	
	Acute Tox. 4, Skin Corr. 1B, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 3; H302 H314 H335 H400 H412			

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



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

# Planol

## Grundreiniger Super

Revision date: 26.04.2021

Product code: 00514-0021

Page 3 of 12

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

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
111-76-2	203-905-0	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether	10 - < 15 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: ATE = 1100 mg/kg; oral: LD50 = 470 mg/kg	
67-63-0	200-661-7	propan-2-ol; isopropyl alcohol; isopropanol	5 - < 10 %
		dermal: LD50 = 12800 mg/kg; oral: LD50 = 5050 mg/kg	
78330-20-8		Alcohols, C9-11-iso-, C10-rich, ethoxylated	1 - < 5 %
		oral: ATE = 500 mg/kg	
1310-58-3	215-181-3	caustic potash, potassium hydroxide	1 - < 5 %
		oral: LD50 = 333 mg/kg Skin Corr. 1A; H314: >= 5 - 100 Skin Corr. 1B; H314: >= 2 - < 5 Skin Irrit. 2; H315: >= 0,5 - < 2 Eye Irrit. 2; H319: >= 0,5 - < 2	
15763-76-5	239-854-6	Sodium p-cumenesulphonate	1 - < 5 %
		inhalation: LC50 = >20 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg	
1336-21-6	215-647-6	Ammonia solution	1 - < 5 %
		oral: ATE = 500 mg/kg STOT SE 3; H335: >= 5 - 100	

### Further Information

Ingredients according to EC Detergents Regulation 648/2004:

Non-ionic surfactants < 5 %

Soap < 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

Skin: causes strong corrosions. Causes serious 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



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

# Planol

## Grundreiniger Super

Revision date: 26.04.2021

Product code: 00514-0021

Page 4 of 12

### 5.1. Extinguishing media

#### **Suitable extinguishing media**

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

#### **Unsuitable extinguishing media**

Not known.

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

Combustible. Vapours may form explosive mixture with air.

High risk of slipping due to leakage/spillage of product.

### 5.3. Advice for firefighters

In case of fire, wear suitable respiratory equipment with positive air supply.

#### **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. Keep away noninvolved persons. Remove all sources of ignition.

#### **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

Do not discharge into the drains/surface waters/ground water. Inform competent authority about release into the sewage, ground or into waters.

### 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). After taking up the material dispose according to regulation. Use breathing apparatus if exposed to vapours/dust/aerosol. Shop towels contaminated with solvents can auto ignite. Provide for safe disposal of wastes. Cloths contaminated with product should not be kept in trouser pockets.

### 6.4. Reference to other sections

Observe protective instructions (see Sections 7 and 8).

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**

Take measures against electrostatic charging.

Keep away from sources of ignition - No smoking.

### 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.



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

# Planol

## Grundreiniger Super

Revision date: 26.04.2021

Product code: 00514-0021

Page 5 of 12

Do not store together with metals.  
Keep away from food, drink and animal feeding stuffs.

### Further information on storage conditions

Keep container tightly closed.  
Recommended storage temperature: 5 - 25°C.  
Keep from freezing. Protect from heat and direct solar radiation. Ignition hazard.

### 7.3. Specific end use(s)

Cleaning agent

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
111-76-2	2-Butoxyethanol	25	123		TWA (8 h)	WEL
		50	246		STEL (15 min)	WEL
7664-41-7	Ammonia, anhydrous	25	18		TWA (8 h)	WEL
		35	25		STEL (15 min)	WEL
1310-58-3	Potassium hydroxide	-	2		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

#### Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
111-76-2	2-Butoxyethanol	butoxyacetic acid (creatinine)	240 mmol/mol	urine	Post shift

#### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
1310-58-3	caustic potash, potassium hydroxide			
Worker DNEL, acute			local	1 mg/m <sup>3</sup>

### 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).

#### 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



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

# Planol

## Grundreiniger Super

Revision date: 26.04.2021

Product code: 00514-0021

Page 6 of 12

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:	Green
Odour:	Fresh
pH-Value (at 20 °C):	Approximately 14 (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:	44 °C
Sustaining combustion:	Not sustaining combustion

#### 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.

Vapour pressure: (at 20 °C)	No data available
Density (at 20 °C):	1,040 g/cm <sup>3</sup>
Water solubility: (at 20 °C)	Completely miscible

#### Solubility in other solvents

No data available

Partition coefficient n-octanol/water:	No data available
Viscosity / dynamic:	No data available
Viscosity / kinematic:	No data available
Solvent content:	< 15 %

### 9.2. Other information

In handling, does not keep a fire ablaze in any way, therefore exempt of classification.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity with the intended use is not associated with any hazards.  
May be corrosive to metals.

### 10.2. Chemical stability

Stable under normal conditions.



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

# Planol

## Grundreiniger Super

Revision date: 26.04.2021

Product code: 00514-0021

Page 7 of 12

### 10.3. Possibility of hazardous reactions

Exothermic reaction with: Acids

### 10.4. Conditions to avoid

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

### 10.5. Incompatible materials

Acids, oxidizing agents

### 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.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether				
	oral	LD50 mg/kg	470	Ratte	
	dermal	ATE mg/kg	1100		
	inhalation vapour	ATE	11 mg/l		
	inhalation aerosol	ATE	1,5 mg/l		
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	oral	LD50 mg/kg	5050	Rat	
	dermal	LD50 mg/kg	12800	Rabbit	
78330-20-8	Alcohols, C9-11-iso-, C10-rich, ethoxylated				
	oral	ATE mg/kg	500		
1310-58-3	caustic potash, potassium hydroxide				
	oral	LD50 mg/kg	333	Rat	
15763-76-5	Sodium p-cumenesulphonate				
	oral	LD50 mg/kg	> 2000	Rat	OECD 401
	dermal	LD50 mg/kg	> 2000	Rabbit	Literary value
	inhalation (4 h) vapour	LC50	>20 mg/l	Rat	
1336-21-6	Ammonia solution				
	oral	ATE mg/kg	500		

#### Irritation and corrosivity

Causes severe skin burns and eye damage.

Causes serious eye damage.

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



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

# Planol

## Grundreiniger Super

Revision date: 26.04.2021

Product code: 00514-0021

Page 8 of 12

### 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

Harmful to fishes

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether					
	Acute fish toxicity	LC50 1490 mg/l	96 h	Lepomis macrochirus		
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute fish toxicity	LC50 > 1000 mg/l	96 h			
	Acute crustacea toxicity	EC50 > 1000 mg/l	48 h			
1310-58-3	caustic potash, potassium hydroxide					
	Acute fish toxicity	LC50 80 mg/l	96 h	Gambusia affinis		
15763-76-5	Sodium p-cumenesulphonate					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Oncorhynchus mykiss	Literary value	
	Acute algae toxicity	ErC50 > 100 mg/l	96 h	Pseudokirchneriella subcapitata	Literary value	
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna	Literary value	
1336-21-6	Ammonia solution					
	Acute fish toxicity	LC50 0,53 mg/l	96 h	Oncorhynchus mykiss		
	Acute crustacea toxicity	EC50 24 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.



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

# Planol

## Grundreiniger Super

Revision date: 26.04.2021

Product code: 00514-0021

Page 9 of 12

### 12.3. Bioaccumulative potential

No data available

### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether	0,81 (25°C)
1336-21-6	Ammonia solution	-1,38

### 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

Harmful to aquatic organisms, may cause long-term harmful effects in the aquatic environment.

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

### Further information

Do not discharge into the drains/surface waters/ground water. 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

### 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**

200115 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); Alkalines; 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)

#### 14.1. UN number:

UN 1719

#### 14.2. UN proper shipping name:

CAUSTIC ALKALI LIQUID, N.O.S. (Potassium hydroxide, Ammonia)

#### 14.3. Transport hazard class(es):

8

#### 14.4. Packing group:

II

Hazard label:

8



Classification code:

C5

Special Provisions:

274



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

# Planol

## Grundreiniger Super

Revision date: 26.04.2021

Product code: 00514-0021

Page 10 of 12

Limited quantity: 1 L  
Excepted quantity: E2  
Transport category: 2  
Hazard No: 80  
Tunnel restriction code: E

### Inland waterways transport (ADN)

**14.1. UN number:** UN 1719  
**14.2. UN proper shipping name:** CAUSTIC ALKALI LIQUID, N.O.S. (Potassium hydroxide, Ammonia)  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** II  
Hazard label: 8



Classification code: C5  
Special Provisions: 274  
Limited quantity: 1 L  
Excepted quantity: E2

### Marine transport (IMDG)

**14.1. UN number:** UN 1719  
**14.2. UN proper shipping name:** CAUSTIC ALKALI LIQUID, N.O.S. (Poassium hydroxide, Ammonia)  
**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. (Poassium hydroxide, Ammonia)  
**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



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Planol** 

## Grundreiniger Super

Revision date: 26.04.2021

Product code: 00514-0021

Page 11 of 12

ENVIRONMENTALLY HAZARDOUS: No

### 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): < 15 %

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

#### 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

For the following substances of this mixture a chemical safety assessment has been carried out:

Sodium p-cumenesulphonate

## SECTION 16: Other information

### Changes

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

### 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

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

H225 Highly flammable liquid and vapour.

H290 May be corrosive to metals.

H302 Harmful if swallowed.



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Planol** 

## Grundreiniger Super

Revision date: 26.04.2021

Product code: 00514-0021

Page 12 of 12

H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
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.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

### 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.)*

