

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

# Planol

## EISBRECHER Scheibenfrostschutz Konzentrat

Revision date: 26.04.2021

Product code: 00514-0077

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

#### 1.1. Product identifier

EISBRECHER Scheibenfrostschutz Konzentrat

#### 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:

Flammable liquid: Flam. Liq. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Hazard Statements:

Highly flammable liquid and vapour.

Causes serious eye irritation.

#### 2.2. Label elements

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

Signal word: Danger

Pictograms:



##### Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

##### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves/eye protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

P403+P235 Store in a well-ventilated place. Keep cool.

##### Additional advice on labelling

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

#### 2.3. Other hazards



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

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			
64-17-5	ethanol, ethyl alcohol			55 - < 60 %
	200-578-6	603-002-00-5	01-2119457610-43	
	Flam. Liq. 2, Eye Irrit. 2; H225 H319			
107-21-1	ethanediol, ethylene glycol			1 - < 5 %
	203-473-3	603-027-00-1	01-2119456816-28	
	Acute Tox. 4, STOT RE 2; H302 H373			

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

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

CAS No	EC No	Chemical name	Quantity	
	Specific Conc. Limits, M-factors and ATE			
64-17-5	200-578-6	ethanol, ethyl alcohol	55 - < 60 %	
	inhalation: LC50 = 95,6 mg/l (vapours); oral: LD50 = 6200 mg/kg Eye Irrit. 2; H319: >= 50 - 100			
107-21-1	203-473-3	ethanediol, ethylene glycol	1 - < 5 %	
	dermal: LD50 = 9530 mg/kg; oral: LD50 = 5840 mg/kg			

### 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. If symptoms develop, seek medical attention. In case of inhalation of aerosol/mist consult a physician if necessary.

##### After contact with skin

Wash hands with water as a precaution. Consult a doctor if skin irritation persists.

##### 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

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

Vapours may cause drowsiness and dizziness. Watch out. Beware, hazard of foam aspiration.

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

Treat symptoms.



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**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**

Full water jet

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

Vapours may form explosive mixture with air.

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

**5.3. Advice for firefighters**

Use breathing apparatus with independent air supply. Protective suit.

**Additional information**

Cool containers at risk with water spray jet. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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

**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**

Keep only in original container. Keep container tightly closed. Keep in a dry, cool and well-ventilated place.



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### Hints on joint storage

Incompatible with oxidizing agents.

### Further information on storage conditions

Keep container tightly closed.

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
107-21-1	Ethane-1,2-diol, vapour	20	52		TWA (8 h)	WEL
		40	104		STEL (15 min)	WEL
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
56-81-5	Glycerol, mist	-	10		TWA (8 h)	WEL

#### PNEC values

CAS No	Substance	Value
56-81-5	Glycerine / Glycerol	
	Freshwater	0,885 mg/l
	Freshwater (intermittent releases)	8,85 mg/l
	Marine water	0,088 mg/l
	Freshwater sediment	3,3 mg/kg
	Marine sediment	0,33 mg/kg
	Micro-organisms in sewage treatment plants (STP)	1000 mg/l
	Soil	0,141 mg/kg

### 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. When using do not eat, drink or smoke. 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

Long sleeved clothing (DIN EN ISO 6530)



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### Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type E) (EN 14387).

## SECTION 9: Physical and chemical properties

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

Physical state:	Liquid
Colour:	Blue
Odour:	Characteristic
pH-Value (at 20 °C):	approx. 6,5 (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:	21 °C
Sustaining combustion:	No data available

#### Explosive properties

The product is considered non-explosive; nevertheless explosive vapour/air mixture can be generated.

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):	0,900 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

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No uncommon reactivity known.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No hazardous reactions known.

### 10.4. Conditions to avoid

Keep from freezing.  
Protect from heat and direct solar radiation. Ignition hazard.



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### 10.5. Incompatible materials

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.

#### Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64-17-5	ethanol, ethyl alcohol				
	oral	LD50 mg/kg	6200	Rat	
	inhalation (4 h) vapour	LC50	95,6 mg/l	Rat	
107-21-1	ethanediol, ethylene glycol				
	oral	LD50 mg/kg	5840	Rat	
	dermal	LD50 mg/kg	9530	Rabbit	

#### Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

#### 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

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available



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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
64-17-5	ethanol, ethyl alcohol					
	Acute fish toxicity	LC50 mg/l	8140	96 h	Golden orfe	
	Acute crustacea toxicity	EC50 14221 mg/l	9268 -	48 h	Daphnia magna	
107-21-1	ethanediol, ethylene glycol					
	Acute fish toxicity	LC50 mg/l	40761	96 h	Oncorhynchus mykiss	
	Acute crustacea toxicity	EC50 mg/l	41100	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.

### 12.3. Bioaccumulative potential

No data available

### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64-17-5	ethanol, ethyl alcohol	- 0,31
107-21-1	ethanediol, ethylene glycol	-1,36

### 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

No data available

### Further information

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

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### **Disposal recommendations**

Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations.

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

200113 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); Solvents; 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.



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### SECTION 14: Transport information

#### Land transport (ADR/RID)

**14.1. UN number:** UN 1170  
**14.2. UN proper shipping name:** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3



Classification code: F1  
Special Provisions: 144 601  
Limited quantity: 5 L  
Excepted quantity: E1  
Transport category: 3  
Hazard No: 30  
Tunnel restriction code: D/E

#### Inland waterways transport (ADN)

**14.1. UN number:** UN 1170  
**14.2. UN proper shipping name:** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3



Classification code: F1  
Special Provisions: 144 601  
Limited quantity: 5 L  
Excepted quantity: E1

#### Marine transport (IMDG)

**14.1. UN number:** UN 1170  
**14.2. UN proper shipping name:** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3



Special Provisions: 144, 223  
Limited quantity: 5 L  
Excepted quantity: E1  
EmS: F-E, S-D

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

**14.1. UN number:** UN 1170  
**14.2. UN proper shipping name:** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  
**14.3. Transport hazard class(es):** 3



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### 14.4. Packing group:

III

Hazard label:

3



Special Provisions:	A3 A58 A180
Limited quantity Passenger:	10 L
Passenger LQ:	Y344
Excepted quantity:	E1
IATA-packing instructions - Passenger:	355
IATA-max. quantity - Passenger:	60 L
IATA-packing instructions - Cargo:	366
IATA-max. quantity - Cargo:	220 L

### 14.5. Environmental hazards

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): 60 %

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

Water hazard class (D): 1 - slightly 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): 1,2,3,4,5,6,7,8,9,10,11,12,13,15,16.

### 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%



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

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Eye Irrit. 2; H319	Calculation method

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

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.

### 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)

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

