

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Glass Clear Classic (German: Glas-Klar Classic)

Print date: 10.05.2016

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

##### 1.1. Product identifier

Glass Clear Classic (German: Glas-Klar Classic)

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

###### Use of the substance/mixture

Cleaning agent.

###### Uses advised against

Reserved for industrial and professional use.

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

Company name:	POLYTOP GmbH	
Street:	Langenselbolder Str. 8	
Place:	D-63543 Neuberg	
Telephone:	+49-6183-80014-0	Telefax: +49-6183-80014-14
e-mail (Contact person):	info@polytop.de	
Internet:	www.polytop.de	
Responsible Department:	Zentrale Tel. +49-6183-80014-0	

#### SECTION 2: Hazards identification

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

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

Hazard Statements:

Flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

Accumulation in closed or lower lying rooms signifies heightened risk of fire or explosion.

##### 2.2. Label elements

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

###### Hazard components for labelling

propan-2-ol; isopropyl alcohol; isopropanol

Signal word: Warning

Pictograms:



###### Hazard statements

H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

###### Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P261	Do not breathe vapour/aerosol.
P280	Wear eye/face protection.
P271	Use only outdoors or in a well-ventilated area.
P302+P352	After contact with skin, wash immediately with plenty of water.
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

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P337+P313 present and easy to do. Continue rinsing.  
 P403+P235 If eye irritation persists: Get medical advice/attention.  
 Store in a well-ventilated place. Keep cool.

#### 2.3. Other hazards

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

see below Labelling for contents according to regulation (EC) No. 648/2004, perfumes (free of allergens 2003/15/EU), Dyestuff., Additional information: Alcohol, glycol ether

##### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			25 - < 30 %
	200-661-7	603-117-00-0		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether			1 - < 5 %
	203-539-1	603-064-00-3		
	Flam. Liq. 3, STOT SE 3; H226 H336			

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

##### Labelling for contents according to Regulation (EC) No 648/2004

< 5 % anionic surfactants, perfumes.

##### Further Information

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

If victim is at risk of losing consciousness, position and transport on their side.  
 Remove affected person from the danger area and lay down.

##### After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

##### After contact with skin

After contact with skin, wash immediately with: Water.  
 After cleaning apply high-fat content skin care cream.  
 Take off immediately all contaminated clothing, including underwear and shoes.

##### After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 Consult an ophthalmologist.

##### After ingestion

Do NOT induce vomiting.  
 Rinse mouth immediately and drink plenty of water.

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

The following symptoms may occur: Nausea, vomiting, unconsciousness.



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

In the case of spasms: diazepam intravenously. (10-20mg)After ingestion:

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

The product itself does not burn. The formation of combustible vapours is possible at temperatures above: 10°  
 alcohol resistant foam.  
 Extinguishing powder.  
 Water spray.  
 Atomized water.  
 Carbon dioxide (CO<sub>2</sub>).

##### **Unsuitable extinguishing media**

High power water jet.  
 High power water jet.

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

Pyrolysis products, toxic.  
 The vapours are heavier than air and can accumulate in high concentrations on the ground, in cavities, channels and cellars.

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

In case of fire: Wear self-contained breathing apparatus.

##### **Additional information**

In case of fire and/or explosion do not breathe fumes.  
 Use water spray jet to protect personnel and to cool endangered containers.  
 Contaminated fire-fighting water must not get into the sewerage network.  
 Remove product from area of fire.

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

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

Remove all sources of ignition.  
 Ventilate affected area.

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.  
 Retain contaminated washing water and dispose it.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
 Collect in closed containers for disposal.  
 Ventilate affected area.

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

Vapours are heavier than air and will spread at floor level.

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

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

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

Avoid the formation of aerosol.  
 Use only in well-ventilated areas.

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

Vapours may form explosive mixtures with air.  
 Keep away from sources of ignition. - No smoking.  
 Take precautionary measures against static discharges.



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The vapours are heavier than air and can accumulate in high concentrations on the ground, in cavities, channels and cellars.

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

##### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

##### Advice on storage compatibility

Do not store together with: Oxidizing agents.

##### Further information on storage conditions

Recommended storage temperature: up to °C: 30

#### 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
107-98-2	1-Methoxypropan-2-ol	100	375		TWA (8 h)	WEL
		150	560		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

#### 8.2. Exposure controls

##### Protective and hygiene measures

Do not breathe gas/vapour/aerosol.

Avoid contact with eyes.

Work in well-ventilated zones or use proper respiratory protection.

Wash hands before breaks and after work. After cleaning apply high-fat content skin care cream.

##### Eye/face protection

Tightly sealed safety glasses.

##### Hand protection

Tested protective gloves are to be worn:

NBR (Nitrile rubber). PVA (Polyvinyl alcohol). Butyl rubber. FKM (Fluoroelastomer (Viton)).

Unsuitable material: CR (polychloroprenes, Chloroprene rubber). NR (Natural rubber (Caoutchouc), Natural latex). PVC (Polyvinyl chloride).

##### Skin protection

Body protection: not required.

##### Respiratory protection

Respiratory protection necessary at: insufficient ventilation. Insufficient absorption. high concentration.

Handling larger quantities.

Full-/Half-/Quarter-Masks (DIN EN 136/140). A

## SECTION 9: Physical and chemical properties

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

Physical state:	liquid
Colour:	clear blue
Odour:	Alcohol/fruity



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#### Test method

pH-Value (at 20 °C): 3,5-4,0

#### Changes in the physical state

Melting point: -15 °C

Initial boiling point and boiling range: 92 °C

Flash point: 22 °C

#### Explosive properties

In use, may form flammable/explosive vapour-air mixture.

Lower explosion limits: 2 vol. %

Upper explosion limits: 12 vol. %

Ignition temperature: 399 °C

#### Oxidizing properties

not oxidizing.

Density (at 20 °C): 0,95 g/cm<sup>3</sup>

Water solubility:  
(at 20 °C) miscible.

Solvent content: 35%

#### 9.2. Other information

Not combustible.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No risks worthy of mention.

#### 10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

#### 10.3. Possibility of hazardous reactions

No risks worthy of mention.

#### 10.4. Conditions to avoid

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

#### 10.5. Incompatible materials

Oxidizing agents, strong.

#### 10.6. Hazardous decomposition products

No risks worthy of mention.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

Preparation not tested.



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CAS No	Chemical name			
	Exposure route	Dose	Species	Source
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			
	oral	LD50 4570 mg/kg	Rat	
	dermal	LD50 13400 mg/kg	Rabbit	
	inhalative (4 h) vapour	LC50 30 mg/l	Rat	
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether			
	oral	LD50 > 5000 mg/kg	Rat	IUCLID
	dermal	LD50 11000 mg/kg	Rabbit	

#### Irritation and corrosivity

After skin contact: mild irritant.

Irritant effect on the eye: strongly irritant.

#### Sensitising effects

weakly sensibilizing. (perfumes)

Identification is not obligatory. Please observe the information on the safety data sheet at all times.

#### STOT-repeated exposure

Frequently or prolonged contact with skin may cause dermal irritation.

#### Additional information on tests

Has de-greasing effect on the skin.

After cleaning apply high-fat content skin care cream.

#### Further information

After cleaning apply high-fat content skin care cream.

## SECTION 12: Ecological information

### 12.1. Toxicity

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h]   [d]	Species	Source
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	Acute fish toxicity	LC50 >100 mg/l	96 h	leuciscus idus	
	Acute algae toxicity	ErC50 >100 mg/l	72 h	scenedesmus subspicatus	
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	daphnia magna	
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether				
	Acute fish toxicity	LC50 4600 - 10000 mg/l	96 h	Leuciscus idus	IUCLID
	Acute algae toxicity	ErC50 > 1000 mg/l	72 h	Selenastrum capricornutum	
	Acute crustacea toxicity	EC50 > 500 mg/l	48 h	Daphnia magna	IUCLID

### 12.2. Persistence and degradability

Abiotic degradation in Air. Indication applies to the solvent.

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

### 12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether	-0,437

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#### 12.4. Mobility in soil

Product is easily volatile.

Indication applies to the solvent.

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6. Other adverse effects

No risks worthy of mention.

#### Further information

Does not enter into waste water by proper application.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### **Advice on disposal**

Consult manufacturer about disposal.

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

##### **Waste disposal number of waste from residues/unused products**

140603 WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08); waste organic solvents, refrigerants and foam/aerosol propellants; other solvents and solvent mixtures  
Classified as hazardous waste.

##### **Waste disposal number of 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**

Water with tenside additive.

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.

### SECTION 14: Transport information

#### **Land transport (ADR/RID)**

<b><u>14.1. UN number:</u></b>	UN1993
<b><u>14.2. UN proper shipping name:</u></b>	FLAMMABLE LIQUID, N.O.S. (Isopropanol, mixture)
<b><u>14.3. Transport hazard class(es):</u></b>	3
<b><u>14.4. Packing group:</u></b>	II
Hazard label:	3



Classification code:	F1
Special Provisions:	274 601 640C
Limited quantity:	1 L
Transport category:	2
Hazard No:	33
Tunnel restriction code:	D/E

#### **Other applicable information (land transport)**

E2

#### **Inland waterways transport (ADN)**

<b><u>14.1. UN number:</u></b>	UN1993
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**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Isopropanol, mixture)

**14.3. Transport hazard class(es):** 3

**14.4. Packing group:** II

Hazard label: 3



Classification code: F1

Special Provisions: 274 601 640C

Limited quantity: 1 L

#### Other applicable information (inland waterways transport)

Special provisions: 601

E2

#### Marine transport (IMDG)

**14.1. UN number:** UN1993

**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Isopropanol, mixture)

**14.3. Transport hazard class(es):** 3

**14.4. Packing group:** II

Hazard label: 3



Special Provisions: 274

Limited quantity: 1 L

EmS: F-E, S-E

#### Other applicable information (marine transport)

Special provisions: -

E2

#### Air transport (ICAO)

**14.1. UN number:** UN1993

**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Isopropanol, mixture)

**14.3. Transport hazard class(es):** 3

**14.4. Packing group:** II

Hazard label: 3



Special Provisions: A3

Limited quantity Passenger: 1 L

IATA-packing instructions - Passenger: 353

IATA-max. quantity - Passenger: 5 L

IATA-packing instructions - Cargo: 364

IATA-max. quantity - Cargo: 60 L

#### Other applicable information (air transport)

E2

: Y305

: Y341



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#### **14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

#### **14.6. Special precautions for user**

Keep container tightly closed.

#### **14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not relevant

### SECTION 15: Regulatory information

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

##### **EU regulatory information**

2004/42/EC (VOC): Volatile organic compounds (VOC) content in percent by weight: 35

##### **National regulatory information**

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 1 - slightly water contaminating

#### **15.2. Chemical safety assessment**

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

### SECTION 16: Other information

#### **Changes**

This data sheet contains changes from the previous version in section(s): 3,8,9,15.

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

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

#### **Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

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