

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Glass Clear *MAXIMUS* (German: Glas-Klar *MAXIMUS*)

Print date: 16.03.2016

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

1.1. Product identifier

Glass Clear *MAXIMUS* (German: Glas-Klar *MAXIMUS*)

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

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		

1.4. Emergency telephone number:

Vergiftungsinformationszentrale Österreich Tel. +43 (0) 1 406 43 43

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard Statements:

Causes serious eye irritation.

According to Directive 1999/45/EC or Appendix VI to Directive 67/548/EEC the preparation requires no special labelling.

There is no requirement for this product to be specially labelled according to EC directive (GHS/CLP)

1272/2008/EU (incl.790/2009/EU).

No risks worthy of mention.

2.2. Label elements

Regulation (EC) No. 1272/2008

Signal word: Warning

Pictograms:



Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P264	Wash hands thoroughly after handling.
P280	Wear 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.
P337+P313	If eye irritation persists: Get medical advice/attention.

Additional advice on labelling

According to Directive 1999/45/EC or Appendix VI to Directive 67/548/EEC the preparation requires no special labelling.

Product is classified and labelled in accordance with EC regulation 1272/2008/EU (CLP/GHS).



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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, dye, Additional information:
alcohol, glycol ether, organic acids

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			5 - < 10 %
	200-661-7	603-117-00-0		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
64-19-7	Acetic acid 100 %			1 - < 5 %
	200-580-7	607-002-00-6		
	Flam. Liq. 3, Skin Corr. 1A; H226 H314			
5392-40-5	citral			0,01-0,1 %
	226-394-6	605-019-00-3		
	Skin Irrit. 2, Skin Sens. 1; H315 H317			

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

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

< 5 % anionic surfactants, perfumes (Citral).

Further Information

The surfactants contained in this preparation comply 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

After inhalation

Provide fresh air.

After contact with skin

Rinse with water.

After cleaning apply high-fat content skin care cream.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water.

Seek medical advice.

Let water be drunken in little sips (dilution effect).

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

No known symptoms to date.

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

Give Dimeticon (Defoamer).

Give activated carbon, in order to reduce the resorption in the gastro-enteric tract.



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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product itself does not burn.
Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

No special fire protection measures are necessary.

5.3. Advice for firefighters

No special fire protection measures are necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

The following must be prevented:
skin contact.
Eye contact.

6.2. Environmental precautions

Suitable material for diluting or neutralizing:
Water.

6.3. Methods and material for containment and cleaning up

Methods of cleaning - small amounts of spilled material: Dilute with plenty of water.
Methods of cleaning - large amounts of spilled material: Take up mechanically, placing in appropriate containers for disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid the formation of aerosol.

Advice on protection against fire and explosion

Not combustible.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store only in original container.

Advice on storage compatibility

No special precautionary measures are necessary.

Further information on storage conditions

Recommended storage temperature: up to °C: 30
Keep container tightly closed.

7.3. Specific end use(s)

Automotive care products

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
64-19-7	Acetic acid	10	25		TWA (8 h)	EU
		15	37		STEL (15 min)	EU
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

Avoid contact with eyes. Wash hands before breaks and after work. Notice the directions for use on the label.
Keep container tightly closed.

Eye/face protection

Wear eye/face protection.

Hand protection

Hand protection: not required.

Skin protection

Body protection: not required.

Respiratory protection

Respiratory protection not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour: clear blue
Odour: Alcohol

Test method

pH-Value (at 20 °C): 2,4-2,6

Changes in the physical state

Melting point: not determined
Initial boiling point and boiling range: 100 °C
Flash point: 28 °C

Explosive properties

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

Lower explosion limits: 2 vol. %
Upper explosion limits: 12 vol. %
Ignition temperature: >250 °C

Oxidizing properties

not oxidizing.

Vapour pressure: ca. 24 hPa
(at 20 °C)

Density (at 20 °C): 0,97 g/cm³

Water solubility: complete miscible

Solvent content: 15

9.2. Other information

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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

No risks worthy of mention.

10.5. Incompatible materials

none

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.

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	
64-19-7	Acetic acid 100 %				
	oral	LD50	3310 mg/kg	Rat	GESTIS

Irritation and corrosivity

Causes serious eye irritation.

Sensitising effects

weakly sensibilizing. (perfumes: Citral)

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

Specific effects in experiment on an animal

67-63-0 Propan-2-ol Verschlucken LD50 5280mg/kg (rat)
 67-63-0 Propan-2-ol Hautabsorption LD50 12800mg/kg (rabbit)
 67-63-0 Propan-2-ol Einatmen LC50/8h 47,5mg/l (rat)
 67-63-0 Propan-2-ol Hautkontakt Keine Hautreizung (rabbit)
 67-63-0 Propan-2-ol Augenkontakt Reizt die Augen (rabbit)
 67-63-0 Propan-2-ol Sensibilisierung Nicht sensibilisierend (Bühler Test)
 64-19-7 Essigsäure Verschlucken LD50 3310mg/kg (rat)

Practical experience

Other observations

Has de-greasing effect on the skin.

After cleaning apply high-fat content skin care cream.



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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	
64-19-7	Acetic acid 100 %				
	Acute crustacea toxicity	EC50 65 mg/l	48 h	Daphnia magna	Janssen et al

12.2. Persistence and degradability

The surfactants contained in this preparation comply 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
64-19-7	Acetic acid 100 %	-0,17

12.4. Mobility in soil

No data available

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

Doesn't get into the sewage water as long as the process is carried out according to regulations.
Technically correct releases of minimal concentrations to adapted biological sewage treatment facility, will not disturb the biodegradability of activated sludge.
Chemical Oxygen Demand (COD) [mg O₂/g Produkt]: 380

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on 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

200130 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents other than those mentioned in 20 01 29

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.

Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)".



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Consult supplier about waste disposal.
Cleaned containers may be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name: No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)

14.1. UN number: No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name: No dangerous good in sense of these transport regulations.

Marine transport (IMDG)

14.1. UN number: No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name: No dangerous good in sense of these transport regulations.

Air transport (ICAO)

14.1. UN number: No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name: No dangerous good in sense of these transport regulations.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No special measures are necessary.

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) in percentage by weight: 17%

Additional information

Safety data sheet available for professional user on request.
648/2004: chapter 3 chemical characterization (mixture)

National regulatory information

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

15.2. Chemical safety assessment

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

SECTION 16: Other information

Relevant H and EUH statements (number and full text)

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our



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present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material. 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.)