

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Shine Dryer (German: Glanzrockner)

Print date: 16.03.2016

Page 1 of 8

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

##### 1.1. Product identifier

Shine Dryer (German: Glanzrockner)

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

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

drying aid

###### 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 categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Hazard Statements:

Causes skin irritation.

Causes serious eye irritation.

##### 2.2. Label elements

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

Signal word: Warning

Pictograms:



###### Hazard statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.

###### Precautionary statements

P264	Wash hands thoroughly after handling.
P280	Wear protective gloves and eye/face protection.
P302+P352	After contact with skin, wash immediately with plenty of water and soap.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
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.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Shine Dryer (German: Glanztrockner)

Print date: 16.03.2016

Page 2 of 8

#### Additional advice on labelling

Product is classified and labelled in accordance with EC regulations or the corresponding national laws.

#### 2.3. Other hazards

Avoid contact with skin and eyes.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

see below Labelling for contents according to regulation (EC) No. 648/2004, Additional information: polymeric hydrophobes, ester oils, glycol ether, Alcohol, organic acids

##### Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether	1 - < 5 %
	203-905-0	603-014-00-0
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Eye Irrit. 2, Skin Irrit. 2; H332 H312 H302 H319 H315	
	aminofunctional siloxane	1 - < 5 %
	Skin Corr. 1B; H314	
64-19-7	Acetic acid 100 %	1 - < 5 %
	200-580-7	607-002-00-6
	Flam. Liq. 3, Skin Corr. 1A; H226 H314	
5131-66-8	3-butoxypropan-2-ol, propylene glycol monobutyl ether	1 - < 5 %
	225-878-4	603-052-00-8
	Eye Irrit. 2, Skin Irrit. 2; H319 H315	
94095-35-9	1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty	1 - < 5 %
	939-685-4	01-2119983493-2
	Skin Irrit. 2, Eye Irrit. 2; H315 H319	
556-67-2	octamethylcyclotetrasiloxane	< 0.1 %
	209-136-7	014-018-00-1
	Repr. 2, Aquatic Chronic 4; H361f *** H413	

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

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

< 5 % cationic surfactants, < 5 % non-ionic surfactants.

#### 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

##### General information

Remove contaminated, saturated clothing immediately.

##### After inhalation

Provide fresh air.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Shine Dryer (German: Glanztrockner)

Print date: 16.03.2016

Page 3 of 8

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap.  
After cleaning apply high-fat content skin care cream.

#### After contact with eyes

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

#### After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water.  
Seek medical advice.  
Let water be drunk 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 activated carbon, in order to reduce the resorption in the gastro-enteric tract.

### 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

Vapours may form explosive mixtures with air.

#### 5.3. Advice for firefighters

Remove product from area of fire.

### SECTION 6: Accidental release measures

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

Wear personal protection equipment.  
Keep away from unprotected people. Keep upwind.  
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

Keep container tightly closed.  
The following must be prevented:  
skin contact.  
Eye contact.

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

Not combustible.

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



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Shine Dryer (German: Glanztrockner)

Print date: 16.03.2016

Page 4 of 8

#### 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

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

Automotive cleaning products

### 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
64-19-7	Acetic acid	10	25		TWA (8 h)	EU
		15	37		STEL (15 min)	EU
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
		-	-		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	240 mmol/mol	urine	Post shift

#### 8.2. Exposure controls

##### Protective and hygiene measures

Avoid contact with skin and eyes.

Take off immediately all contaminated clothing.

Wash hands before breaks and after work.

##### Eye/face protection

Tightly sealed safety glasses.

##### Hand protection

Suitable material:

Neopren,

NR (Natural rubber (Caoutchouc), Natural latex).

CR (polychloroprenes, Chloroprene rubber).

NBR (Nitrile rubber).

##### Skin protection

Body protection: not required.

##### Respiratory protection

Respiratory protection not required.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Shine Dryer (German: Glanztrockner)

Print date: 16.03.2016

Page 5 of 8

## SECTION 9: Physical and chemical properties

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

Physical state:	liquid
Colour:	clear green-blue
Odour:	product-specific

#### Test method

pH-Value (at 20 °C):	ca. 3,5-5,0
----------------------	-------------

#### Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	105 °C
Flash point:	>70 °C

#### Explosive properties

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

Lower explosion limits:	1,1
Upper explosion limits:	10,6

#### Oxidizing properties

not oxidizing.

Vapour pressure: (at 20 °C)	ca. 23 hPa
Density (at 20 °C):	0,99 g/cm <sup>3</sup>
Water solubility:	miscible.
Solvent content:	9%

### 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

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

### 10.4. Conditions to avoid

No risks worthy of mention.

### 10.5. Incompatible materials

No risks worthy of mention.

### 10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapors.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

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



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Shine Dryer (German: Glanztrockner)

Print date: 16.03.2016

Page 6 of 8

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether			
	oral	LD50 470 mg/kg	Rat	
	dermal	ATE 1100 mg/kg		
	inhalative vapour	ATE 11 mg/l		
	inhalative aerosol	ATE 1,5 mg/l		
64-19-7	Acetic acid 100 %			
	oral	LD50 3310 mg/kg	Rat	GESTIS
94095-35-9	1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty			
	oral	LD50 >2000 mg/kg	Rat	

#### Irritation and corrosivity

Causes skin irritation.

Causes serious eye damage.

#### Sensitising effects

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

#### 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.

#### Practical experience

#### Other observations

Has de-greasing effect on the skin.

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
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether				
	Acute fish toxicity	LC50 1490 mg/l	96 h	Lepomis macrochirus	
64-19-7	Acetic acid 100 %				
	Acute crustacea toxicity	EC50 65 mg/l	48 h	Daphnia magna	Janssen et al
94095-35-9	1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty				
	Acute fish toxicity	LC50 4,8 mg/l	96 h		
	Acute algae toxicity	ErC50 2,1 mg/l	72 h		
	Acute crustacea toxicity	EC50 2,2 mg/l	48 h		

### 12.2. Persistence and degradability

Technically correct releases of minimal concentrations to adapted biological sewage treatment facility, will not disturb the biodegradability of activated sludge.

Elimination from water is possible through precipitation or flocculation.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Shine Dryer (German: Glanztrockner)

Print date: 16.03.2016

Page 7 of 8

#### 12.3. Bioaccumulative potential

Does not accumulate in organisms.

#### 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)
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

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 O<sub>2</sub>/g Produkt]: 240

### 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)".

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)



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Shine Dryer (German: Glanztrockner)

Print date: 16.03.2016

Page 8 of 8

**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**

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) in percentage by weight: 9,0

##### **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 is not required.

### SECTION 16: Other information

#### **Changes**

This data sheet contains changes from the previous version in section(s): 2,3,9,11,12,15.

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

H226 Flammable liquid and vapour.  
 H302 Harmful if swallowed.  
 H312 Harmful in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H332 Harmful if inhaled.  
 H361f Suspected of damaging fertility.  
 H413 May cause long lasting harmful effects to aquatic life.

#### **Further Information**

The above information describes exclusively the safety requirements of the product and is based on our 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 data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*