



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Picosilk 1550 0000 und 1550 0100**

Revision date: 12.04.2018

Product code: 15500x00

Page 1 of 7

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

### 1.1. Product identifier

Picosilk 1550 0000 und 1550 0100

#### Further trade names

1550 0000 Picosilk 75 ml

1550 0100 Picosilk 500 ml

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

#### Use of the substance/mixture

Release agent to release the surface of casting waxes.

#### Uses advised against

No information available.

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

Company name: Renfert GmbH  
Street: Untere Giesswiesen 2  
Place: D-78247 Hilzingen  
Telephone: +49 7731 8208-0  
e-mail: info@renfert.com  
Contact person: Frau Andris  
e-mail: silke.andris@renfert.com  
Internet: www.renfert.com

Telefax: +49 7731 8208-70

Telephone: +49 7731 8208-927

#### Importer:

Ivoclar Vivadent Pty Ltd  
1- 5 Overseas Drive Noble Park North VIC 3174  
Tel: + 61 3 9795 9599 Fax: + 61 3 9795 9645  
Email: info@ivoclarvivadent.com

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### 1.4. Emergency telephone number:

Poisons Hotline (24 hours / 7 days)

## 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

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

### 2.2. Label elements

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

#### Hazard components for labelling

propan-2-ol; isopropyl alcohol; isopropanol

Signal word: Danger

Pictograms:



#### Hazard statements

H225 Highly 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.

P261 Do not breathe vapour/aerosol.

P280 Wear protective gloves and eye/face protection.

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

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

### 2.3. Other hazards

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

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Picosilk 1550 0000 und 1550 0100**

Revision date: 12.04.2018

Product code: 15500x00

Page 2 of 7

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Wetting agent (tensides)

#### 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			70 - 90 %
	200-661-7	603-117-00-0	01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
97489-15-1	Sulfonic acids, C14-17-sec-alkane, sodium salts			< 10 %
	307-055-2		01-2119489924-20	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H315 H318 H412			

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Immediately remove any contaminated clothing, shoes or stockings.

#### After inhalation

Provide fresh air.

#### After contact with skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

#### After contact with eyes

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

If eye irritation persists: Get medical advice/attention.

#### After ingestion

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

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

Vapours may cause drowsiness and dizziness.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Extinguishing powder, Carbon dioxide (CO<sub>2</sub>), alcohol resistant foam, Water spray jet

#### Unsuitable extinguishing media

Full water jet

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

Vapours can form explosive mixtures with air.

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

### 5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

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

## SECTION 6: Accidental release measures

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

Provide adequate ventilation.

Use personal protection equipment.

Remove all sources of ignition.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

### 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 and suitable containers for disposal.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Picosilk 1550 0000 und 1550 0100**

Revision date: 12.04.2018

Product code: 15500x00

Page 3 of 7

**6.4. Reference to other sections**

Safe handling: see section 7  
 Personal protection equipment: see section 8  
 Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Use only in well-ventilated areas.  
 Avoid contact with eyes and skin.  
 When using do not eat, drink or smoke.

**Advice on protection against fire and explosion**

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

**Further information on handling**

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

**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 agent

**Further information on storage conditions**

Protect against: Heat  
 Do not store at temperatures below 10°C

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

Please refer to our internet website for more information: [www.renfert.com](http://www.renfert.com)

**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
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

**8.2. Exposure controls****Appropriate engineering controls**

Safe handling: see section 7

**Protective and hygiene measures**

Do not breathe vapour. Avoid contact with skin, eyes and clothes. Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs.

**Eye/face protection**

Wear eye/face protection.

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

Suitable material: Butyl caoutchouc (butyl rubber)

Thickness of the glove material: 0,5 mm

Breakthrough time: >= 8 h

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

**Respiratory protection**

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

Usually no personal respirative protection necessary.

Respiratory protection necessary at: insufficient ventilation

**Environmental exposure controls**

Do not allow to enter into surface water or drains.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Picosilk 1550 0000 und 1550 0100**

Revision date: 12.04.2018

Product code: 15500x00

Page 4 of 7

### SECTION 9: Physical and chemical properties

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

Physical state: Liquid  
Colour: colourless  
Odour: characteristic

pH-Value (at 20 °C):

7

**Test method****Changes in the physical state**

Melting point: not determined  
Initial boiling point and boiling range: 82 °C  
Flash point: 15 °C DIN 51755

**Explosive properties**

not explosive according to EU A.14  
Vapours can form explosive mixtures with air.

Lower explosion limits: 2,0 \* vol. %  
Upper explosion limits: 12,0 \* vol. %  
Ignition temperature: 425 \* °C  
Decomposition temperature: not determined  
Vapour pressure: 48 \* hPa  
(at 20 °C)  
Density (at 20 °C): 0,825 - 0,835 g/cm<sup>3</sup>  
Water solubility: miscible  
Partition coefficient: not determined  
Viscosity / dynamic: not determined  
Viscosity / kinematic: not determined  
Evaporation rate: not determined

#### 9.2. Other information

\* Data apply to the main component.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

#### 10.2. Chemical stability

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

#### 10.3. Possibility of hazardous reactions

Exothermic reaction with: Strong acid  
Incompatible materials: Oxidizing agent  
In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

#### 10.4. Conditions to avoid

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

#### 10.5. Incompatible materials

No information available.

#### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

### 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

**Picosilk 1550 0000 und 1550 0100**

Revision date: 12.04.2018

Product code: 15500x00

Page 5 of 7

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	oral	LD50 5840 mg/kg	Rat	OECD 401	
	dermal	LD50 13900 mg/kg	Rabbit	OECD 402	
97489-15-1	Sulfonic acids, C14-17-sec-alkane, sodium salts				
	oral	LD50 > 2000 mg/kg	Rat	OECD 401	
	dermal	LD50 > 2000 mg/kg	Mouse		

**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.

**Carcinogenic/mutagenic/toxic effects for reproduction**

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

**STOT-single exposure**

May cause drowsiness or dizziness. (propan-2-ol; isopropyl alcohol; isopropanol)

**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.

**Further information**

The product has not been tested. The statement is derived from the properties of the single components.

**SECTION 12: Ecological information****12.1. Toxicity**

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute fish toxicity	LC50 9640 mg/l	96 h	Pimephales promelas		
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	Scenedesmus subspicatus		
	Acute crustacea toxicity	EC50 9714 mg/l	48 h	Daphnia magna (Big water flea), 24 h		
	Acute bacteria toxicity	(> 100 mg/l)				

**12.2. Persistence and degradability**

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

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
97489-15-1	Sulfonic acids, C14-17-sec-alkane, sodium salts			
	OECD 301B	78 %	28	
	Readily biodegradable (according to OECD criteria).			
	OECD 301E	89 %	28	
	Readily biodegradable (according to OECD criteria).			
	OECD 303A	96,2 %	34	
	Biodegradable.			

**12.3. Bioaccumulative potential**

No indication of bioaccumulation potential.



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Picosilk 1550 0000 und 1550 0100**

Revision date: 12.04.2018

Product code: 15500x00

Page 6 of 7

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	0,05

**12.4. Mobility in soil**

No information 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 information available.

**Further information**

The product has not been tested. The statement is derived from the properties of the single components.

Do not allow uncontrolled discharge of product into the environment.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Send to a hazardous waste incinerator facility under observation of official regulations.

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

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

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors; hazardous waste

**Contaminated packaging**

Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information****Land transport (ADR/RID)**

<b>14.1. UN number:</b>	UN 1219
<b>14.2. UN proper shipping name:</b>	ISOPROPANOL
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	II

**Marine transport (IMDG)**

<b>14.1. UN number:</b>	UN 1219
<b>14.2. UN proper shipping name:</b>	ISOPROPANOL
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	II
Marine pollutant:	no

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

<b>14.1. UN number:</b>	UN 1219
<b>14.2. UN proper shipping name:</b>	ISOPROPANOL
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	II

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

Further information: see section 6, 7, 8

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

not applicable

**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): 684,4 g/l

**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): 2 - clearly water contaminating



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Picosilk 1550 0000 und 1550 0100**

Revision date: 12.04.2018

Product code: 15500x00

Page 7 of 7

### 15.2. Chemical safety assessment

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

propan-2-ol; isopropyl alcohol; isopropanol

Sulfonic acids, C14-17-sec-alkane, sodium salts

### SECTION 16: Other information

#### Changes

Abs. 4, 13, 14, 15, 16 \* Data changed compared with the previous version

#### Abbreviations and acronyms

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LD50: lethal dose, 50%

LC50: lethal concentration, 50%

EC50: half maximal effective concentration

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement concernant le transport international ferroviaire de marchandises Dangereuses (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

VOC: volatile organic compound(s)

#### 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
STOT SE 3; H336	Calculation method

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

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

#### 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. Restricted to professional users.

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