



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Hardening Bath 1719 2000

Revision date: 09.11.2020

Product code: 1719\_AUS\_IV

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

#### 1.1. Product identifier

Hardening Bath 1719 2000

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

##### Use of the substance/mixture

Self-hardening plastic solution for plaster models, dies etc.

##### Uses advised against

No information available.

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

##### Manufacturer

Company name:	Renfert GmbH	
Street:	Untere Giesswiesen 2	
Place:	D-78247 Hilzingen	
Telephone:	+49 7731 8208-0	Telefax: +49 7731 8208-70
e-mail:	info@renfert.com	
Internet:	www.renfert.com	

##### Supplier

Company name:	Ivoclar Vivadent Pty. Ltd.	
Street:	1-5 Overseas Drive	
Place:	- Noble Park North VIC 3174	
Telephone:	+ 61 3 9795 9599	Telefax: + 61 3 9795 9645

**1.4. Emergency telephone number:** 131 126 (Poisons Information Centre - 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

acetone

**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	Avoid breathing dust/fume/gas/mist/vapours/spray.
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.

##### Special labelling of certain mixtures

EUH066	Repeated exposure may cause skin dryness or cracking.
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#### 2.3. Other hazards

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

### SECTION 3: Composition/information on ingredients





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### 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.

##### Further information on handling

- If handled uncovered, arrangements with local exhaust ventilation should be used if possible.
- Take precautionary measures against static discharges.

#### 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.

#### 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
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
		1500	3620		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: >= 240 min
- 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

- Use only in well-ventilated areas.
- 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.

### SECTION 9: Physical and chemical properties

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

Physical state:	Liquid
Colour:	colourless
Odour:	characteristic

pH-Value:

Test method  
not applicable

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**Changes in the physical state**

Melting point: not determined  
 Initial boiling point and boiling range: 54 °C  
 Flash point: - 16 °C DIN 51755 (cc)

**Flammability**

Solid: not applicable  
 Gas: not applicable

**Explosive properties**

not explosive.  
 Vapours can form explosive mixtures with air.

Lower explosion limits: 2,5 \* vol. %  
 Upper explosion limits: 13,0 \* vol. %  
 Ignition temperature: 535 °C Literaturwert

**Auto-ignition temperature**

Solid: not applicable  
 Gas: not applicable  
 Decomposition temperature: not determined  
 Vapour pressure: 240 \* hPa  
 (at 20 °C)  
 Density (at 20 °C): 0,84 - 0,86 g/cm<sup>3</sup>  
 Water solubility: miscible  
 Partition coefficient: log Pow: - 0,24 \*  
 Viscosity / dynamic: not determined  
 Viscosity / kinematic: not determined  
 Evaporation rate: not determined  
 Solvent content: > 70 %

**9.2. Other information**

\* Data apply to the main component.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Vapours can form explosive mixtures with air.

**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. May form explosive peroxides.

**10.4. Conditions to avoid**

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

**10.5. Incompatible materials**

Violent reaction with: Oxidising agent, strong

**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.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
67-64-1	acetone				
	inhalation (4 h) vapour	LC50 76 mg/l	Rat		

**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.

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

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

**STOT-single exposure**

May cause drowsiness or dizziness. (acetone)

**STOT-repeated exposure**

Repeated exposure may cause skin dryness or cracking.

**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**

There are no data available on the mixture itself.

**12.2. Persistence and degradability**

There are no data available on the mixture itself.

**12.3. Bioaccumulative potential**

No indication of bioaccumulation potential.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
67-64-1	acetone	-0,24

**12.4. Mobility in soil**

There are no data available on the mixture itself.

**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****Disposal recommendations**

Dispose of waste according to applicable legislation.

**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 1866
<b>14.2. UN proper shipping name:</b>	HARZLÖSUNG, entzündbar
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	II
Hazard label:	3

**Marine transport (IMDG)**

<b>14.1. UN number:</b>	UN 1866
<b>14.2. UN proper shipping name:</b>	RESIN SOLUTION flammable
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	II
Hazard label:	3



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Marine pollutant: no

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

**14.1. UN number:** UN 1866  
**14.2. UN proper shipping name:** RESIN SOLUTION flammable  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3



**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): 678,3 g/l

**National regulatory information**

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

Water hazard class (D): 1 - slightly hazardous to water

**Additional information**

Regulation (EC) No 1005/2009 (Ozone depleting substances): not applicable  
 Regulation (EU) 2019/1021 (persistent organic pollutants): not applicable  
 Regulation (EU) No 649/2012 (export and import of hazardous chemicals): not applicable

**SECTION 16: Other information**

**Abbreviations and acronyms**

PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 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.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.  
 EUH066 Repeated exposure may cause skin dryness or cracking.

**Further Information**

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

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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.)*