

according to Regulation (EC) No 1907/2006

Renfert GmbH

according to Regulati	OII (EC) NO 1907/2006	
Resilit	518 2000	
Product co	de: 518-2000	

Revision date: 12.04.2018

Page 1 of 7

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SECTION 1: Identifica	tion of the sub	stance/mixture and of the company/undertakin	3	
1.1. Product identifier				
Resilit 518 2	2000			
1.2. Relevant identified u	uses of the subst	ance or mixture and uses advised against		
Use of the substance		· · · · · · · · · · · · · · · · · · ·		
High-lustre polish	ning liquid			
Uses advised agains				
No information av	vailable.			
1.3. Details of the supplie	er of the safety d	ata sheet		
Company name:		Renfert GmbH		
Street:		Untere Giesswiesen 2		
Place:		D-78247 Hilzingen	T ()	
Telephone:		+49 7731 8208-0	Telefax: +49 7731 8208-7	0
e-mail: Contact person:		info@renfert.com Frau Andris	Telephone: +49 7731 8208-9	27
e-mail:		silke.andris@renfert.com		21
Internet:		www.renfert.com		
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		
1.4 Emorgonov tolonbor	a numbor:	13 11 26		
1.4. Emergency telephor	le number.	Poisons Hotline (24 hours / 7 days)		
SECTION 2: Hazards i	dentification			
		xture		
2.1. Classification of the	substance or mi	xture		
2.1. Classification of the Regulation (EC) No. 12	substance or mi 272/2008	xture		
2.1. Classification of the	substance or mi 272/2008 s:	xture		
2.1. Classification of the Regulation (EC) No. 12 Hazard categorie	substance or mi 272/2008 s: : Flam. Liq. 3	<u>xture</u>		
2.1. Classification of the Regulation (EC) No. 12 Hazard categorie Flammable liquid	substance or mi 272/2008 ss: : Flam. Liq. 3 nts:	<u>xture</u>		
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2.1. Classification of the Regulation (EC) No. 12 Hazard categorie Flammable liquid Hazard Statemen Flammable liquid	substance or mi 272/2008 ss: : Flam. Liq. 3 hts: and vapour.	<u>xture</u>		
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2.1. Classification of the Regulation (EC) No. 12 Hazard categorie Flammable liquid Hazard Statemen Flammable liquid 2.2. Label elements Regulation (EC) No. 12 Signal word: Pictograms: Hazard statements H226	substance or mi 272/2008 ss: : Flam. Liq. 3 and vapour. 272/2008 Warning Flammable nents		er ignition sources. No smoking.	
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3.2. Mixtures

Chemical characterization Polishing paste



Renfert GmbH

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Resilit 518 2000

Revision date: 12.04.2018

Product code: 518-2000

Page 2 of 7

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; isoprop	< 10 %		
	200-661-7	603-117-00-0	01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
	Organic phosphoric esters			
	Skin Irrit. 2; H315			

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

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

< 5 % anionic surfactants

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated, saturated clothing immediately.

After inhalation

Provide fresh air.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

In case of skin irritation, consult a physician.

After contact with eyes

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

If eye irritation persists: Get medical advice/attention.

After ingestion

Rinse mouth immediately and drink plenty of water. Call a physician immediately.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguishing powder, Carbon dioxide (CO2), Dry extinguishing powder, alcohol resistant foam

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Provide adequate ventilation.

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

Wipe up with absorbent material (eg. cloth, fleece). Clear contaminated areas thoroughly. Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8 Disposal: see section 13

layed

Treat symptomatically.





according to Regulation (EC) No 1907/2006

Resilit 518 2000

Product code: 518-2000

Page 3 of 7

Revision date: 12.04.2018

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Avoid contact with eyes and skin. Provide adequate ventilation.

When using do not eat, drink or smoke.

Advice on protection against fire and explosion Keep away from sources of ignition - No smoking.

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
56-81-5	Glycerol, mist	-	10		TWA (8 h)	WEL
		-	-		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

Appropriate engineering controls

See section 7. No additional measures necessary.

Protective and hygiene measures

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)

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

Usually no personal respirative protection necessary.

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

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: viscous Colour: whitish Odour: characteristic Test method 7 pH-Value: Changes in the physical state Melting point: not applicable Initial boiling point and boiling range: 100 °C



Safety Data Sheet

	according to Regulation	n (EC) No 1907/2006	
	Resilit	518 2000	
Revision date: 12.04.2018	Product code	2: 518-2000	Page 4 of 7
Flash point:		47 °C Abel-Pensky	
Explosive properties			
In case of insufficient ventilation a	nd/or through use, explosive/high	y flammable mixtures may develop.	
Lower explosion limits:		2 vol. %	
Upper explosion limits:		12 vol. %	
Ignition temperature:		425 °C	
Decomposition temperature:		not determined	
Vapour pressure: (at 20 °C)		23 hPa	
Density (at 20 °C):		1,10 - 1,30 g/cm³	
Water solubility:		miscible	
Partition coefficient:		not determined	
Viscosity / dynamic: (at 25 °C)		> 10000 mPa·s	
Flow time:		not applicable	
Vapour density:		not determined	
Evaporation rate:		not determined	
Solvent separation test:	No good of class 3 acc	ording to ADR/RID	
Solvent content:	chapter 2.2.3.1.5 < 10 %		
9.2. Other information			
No data available			

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.

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.

CAS No	Chemical name					
	Exposure route	Dose		Species	Source	Method
67-63-0	propan-2-ol; isopropyl alcoh	ol; isopropanol				
	oral	LD50 58 mg/kg	840	Rat	OECD 401	
	dermal	LD50 13 mg/kg	3900	Rabbit	OECD 402	
	Organic phosphoric esters					
	oral	LD50 > mg/kg	2000	Rat		OECD 401

Irritation and corrosivity

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.

Renfert GmbH





according to Regulation (EC) No 1907/2006

Resilit 518 2000

Revision date: 12.04.2018

Product code: 518-2000

Page 5 of 7

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.

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.

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method
67-63-0	propan-2-ol; isopropyl alcoh	ol; isopropan	ol				
	Acute fish toxicity	LC50	9640 mg/l	96 h	Pimephales promelas		
	Acute algae toxicity	ErC50 mg/l	> 100		Scenedesmus subspicatus		
	Acute crustacea toxicity	EC50	9714 mg/l		Daphnia magna (Big water flea), 24 h		
	Acute bacteria toxicity	(> 100 m	ng/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			
	Organic phosphoric esters			
	OECD 302B	> 80 %		

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

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

120114 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; machining sludges containing hazardous substances; hazardous waste

Contaminated packaging

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



Renfert GmbH

according to Regulation (EC) No 1907/2006

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Resilit		518	200)0		
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Revision date: 12.04.2018

Product code: 518-2000

Page 6 of 7

Land transport (ADR RD) Other applicable information (land transport regulations. Marine transport (IMDG) Other applicable information (marine transport) No dangerous good in sense of these transport regulations. Air transport (IAO-TI/IATA-DGR) 14.1. UN number: UN 1987 14.2. UN proper shipping name: ALCOHOLS, N.O.S. (2-Propanol) 14.3. Transport hazard class(es): 3 14.4. Packing group: III 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 Labelling for contents according to egulation (EC) No. 648/2004: < 5 % organischer Phosphorsåureester National regulatory information Labelling for contents according to gougation (EC) No. 648/2004: < 5 % organischer Phosphorsåureester National regulatory information 15.2. Chemical safety assessment For the following substances of this mixture a chemical safety assessment has been carried out: Glycerin propan-2-ol; isopropyl alcohol; isopropanol	Revision date: 12.04.2018	Product code: 518-2000	Page 6 of 7
Other applicable information (and transport) No dangerous good in sense of these transport regulations. Marine transport (MDG) Other applicable information (marine transport) No dangerous good in sense of these transport regulations. Air transport (IGAO-TIMATA-DGR) Using a construction of the sense of these transport regulations. Air transport hazard classifies]: 3 14.1. UN mumber: UN 1987 14.2. UN proper shipping name: ALCOHOLS, N.O.S. (2-Propanol) 14.3. Transport hazard classifies]: 3 14.4. Pracking arouz: III 14.5. Special precautions for user Environmental hazards Environmental hazards Environmental negulations for user 15. Status, health and environmental regulations/Registation specific for the substance or mixture Status and the and environmental regulation (EC) No. 648/2004: < 5 % considerior Prophysiosaureseter	SECTION 14: Transport information		
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ENVIRONMENTALLY HAZARDOUS: no 14.6. Special precautions for user Further Information: Further Information: Interplicable 2011 1.5. Safety, health and environmental regulations/legislation specific for the substance or mixture EU regulatory information 2004/42/EC (VOC): 63,5 g/l Additional Information Labelling for contents according to regulation (EC) No. 648/2004: < 5 % organishcer Phosphorsaureester	14.4. Packing group:		
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2004/4ZEC (VOC): 63,5 g/l Additional information Labelling for contents according to regulation (EC) No. 648/2004: < 5 % organischer Phosphorsäureester	15.1. Safety, health and environmental r	egulations/legislation specific for the substance or mixture	
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Water contaminating class (D): 2 - clearly water contaminating 15.2. Chemical safety assessment For the following substances of this mixture a chemical safety assessment has been carried out: Glycerin propan-2-ol; isopropyl alcohol; isopropanol SECTION 16: Other information Changes Abs. 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% 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) RD: Règlement concernant le transport international des marchandises Dangereuses (Regulations Concerning the International Transport international ferroviaire de marchandises Dangereuses (Regulations Concerning the International Transport international ferroviaire de marchandises Dangereuses (Regulations Concerning the International Carriage of Dangerous Goods by Road) RD: Règlement concernant le transport international des marchandises Dangereuses (Regulations Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Convention for the Prevention of Marine Pollution from Ships VOC: volatile organic compound(s) UCassification for mixtures and used evaluation	Labelling for contents according		
For the following substances of this mixture a chemical safety assessment has been carried out: Glycerin propan-2-ol; isopropyl alcohol; isopropanol SECTION 16: Other information Changes Abs. 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 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 derroviaire de marchandises Dangereuses (Regulations Concerning the International Carriage of Dangerous Goods by Road) ICAO: International Maritime Code for Dangerous Goods ICAO: International Convention for the Prevention of Marine Pollution from Ships VOC: volatile organic compound(s) Classification for mixtures and used euroted according to Regulation (EC) No. 1272/2008 [CLP] Classification Classification procedure Fin: Liq. 3; H226 On basis of test data		2 - clearly water contaminating	
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3 7 1 1	H225 Highly fla	•	
H226 Flammable liquid and vapour.			

H315

H319

H336

Causes skin irritation.

Causes serious eye irritation.

May cause drowsiness or dizziness.



Renfert GmbH

according to Regulation (EC) No 1907/2006

Resilit 518 2000

Revision date: 12.04.2018

Product code: 518-2000

Page 7 of 7

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.)