

according to Regulation (EC) No 1907/2006

Pico-Fit Stumpflacke 1954-0500 gold und 1954-0600 silber

Print date: 16.01.2013 Product code: 1954-0x00 Page 1 of 7

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

Product identifier

Pico-Fit Stumpflacke 1954-0500 gold und 1954-0600 silber

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

Use of the substance/mixture

Lacquer

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

Internet: www.renfert.com

Emergency telephone: 13 11 26

Poisons Hotline (24 hours / 7 days)

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

SECTION 2: Hazards identification

Classification of the substance or mixture

Indications of danger: Highly flammable, Irritant

R-phrases: Highly flammable. Irritating to eyes.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

Label elements

Danger symbols: F - Highly flammable; Xi - Irritant





F - Highly flammable

Xi - Irritant

R phrases

11	Highly flammable.
36	Irritating to eyes.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

S phrases

07/09 Keep container tightly closed and in a well-ventilated place.

16 Keep away from sources of ignition - No smoking.

24 Avoid contact with skin.

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

51 Use only in well-ventilated areas.

Additional advice on labelling

The R and S phrases can be omitted if the pack contains no more than 0,125 litres.

SECTION 3: Composition/information on ingredients



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Mixtures

Chemical characterization

Lacquer

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
200-662-2	acetone; propan-2-one; propanone	> 60 %
67-64-1	F, Xi R11-36-66-67	
606-001-00-8	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	

Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures

Description of first aid measures

General information

Change contaminated clothing.

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, seek medical treatment.

After contact with eyes

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

After ingestion

Rinse mouth immediately and drink large quantities of water. Do not induce vomiting. Immediately get medical attention.

Most important symptoms and effects, both acute and delayed

Following symptoms can occur: Vapours may cause drowsiness and dizziness. Process vapours can irritate airways, skin and eyes. Repeated exposure may cause skin dryness or cracking.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Extinguishing powder. Carbon dioxide (CO2). alcohol resistant foam. Water spray.

Extinguishing media which must not be used for safety reasons

High power water jet.

Special hazards arising from the substance or mixture

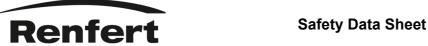
Vapours may form explosive mixtures with air.

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



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Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation.

Wear personal protection equipment.

Remove all sources of ignition.

Environmental precautions

Do not empty into drains or the aquatic environment.

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 containers for disposal.

Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Use only in well-ventilated areas.

Avoid contact with skin and eyes.

Advice on protection against fire and explosion

Vapours may form explosive mixtures with air.

Keep away from sources of ignition - No smoking.

Further information on handling

In case of open handling, use devices with built-in suction where possible.

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 agents.

Further information on storage conditions

Protect against: UV-radiation/sunlight. moisture.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits (EH40)

CAS No	Chemical name	ml/m³	mg/m³	F/ml	Category	Origin
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
		1500	3620		STEL (15 min)	WEL
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

Exposure controls

Occupational exposure controls

refer to chapter 7. No further action is necessary.

Protective and hygiene measures

Do not breathe vapour.

Avoid contact with skin, eye and clothing.

Wash hands before breaks and at the end of work.



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Respiratory protection

Respiratory protection required in case of: insufficient ventilation.

Hand protection

When handling chemical substances, chemical protective gloves must be worn with CE label including a four digit code. Tested protective gloves are to be worn: Suitable material: NBR (Nitrile rubber). PVC (Polyvinyl chloride). FKM (fluororubber).

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Eye protection

Tightly sealed safety glasses.

Environmental exposure controls

Do not empty into drains or the aquatic environment.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state: liquid

Colour: various, depending on coloration

Odour: like: Acetone

Test method

pH-Value: not applicable

Changes in the physical state

Boiling point: 54 °C

Flash point: - 13 °C DIN 51755 (cc)

Explosive properties

Vapours may form explosive mixtures with air.

Lower explosion limits:

2,1 * vol. %
Upper explosion limits:

13,0 * vol. %

Density (at 20 °C):

Water solubility:

Viscosity / dynamic:

2,1 * vol. %

0,83 - 0,85 g/cm³

miscible.

Other information

* Data apply to the principal component.

SECTION 10: Stability and reactivity

Reactivity

Vapours may form explosive mixtures with air.

Chemical stability

See chapter 7. No further action is necessary.

Possibility of hazardous reactions

Vapours may form explosive mixtures with air.

Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Incompatible materials

Reacts with: Oxidizing agents, strong.

Hazardous decomposition products

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





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SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

CAS No	Chemical name										
	Exposure routes	Method	Dose	Species	Source						
67-64-1	acetone; propan-2-one; propanone										
	oral	LD50	5800 mg/kg	Rat	RTECS						
		LD50 mg/kg	20000	Rabbit	IUCLID						
	inhalative (4 h)	LC50	76 mg/l	Rat							

Irritation and corrosivity

Irritant effect on the skin: Not an irritant. Irritant effect on the eye: irritant.

Sensitising effects

no danger of sensitization.

Empirical data on effects on humans

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

Has de-greasing effect on the skin.

Further information

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

SECTION 12: Ecological information

Toxicity

CAS No	Chemical name										
	aquatic toxicity Method Dose h Species Source										
67-64-1	acetone; propan-2-one; propanone										
	Acute fish toxicity	LC50	5540 mg/l	96	Onchorhynchus mykiss						
	Acute crustacea toxicity	EC50	6100 mg/l	48	Daphnia magna						

Persistence and degradability

There are no data available on the mixture itself.

Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
67-64-1	acetone; propan-2-one; propanone	-0,24

Mobility in soil

There are no data available on the mixture itself.

Results of PBT and vPvB assessment

There are no data available on the mixture itself.

Further information

product has not been tested. The statement is derived form the properties of the components. Do not allow uncontrolled leakage of product into the environment.





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SECTION 13: Disposal considerations

Waste treatment methods

Advice on disposal

Carry out a burning of harzardous waste according to official regulations.

Waste disposal number of waste from residues/unused products

080111

WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS: wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic

solvents or other dangerous substances

Classified as hazardous waste.

Contaminated packaging

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

SECTION 14: Transport information

Land transport (ADR/RID)

1263 **UN number:** UN proper shipping name: **FARBE** Transport hazard class(es): 3

Packing group:

Marine transport

1263 **UN number: PAINT UN proper shipping name:** Transport hazard class(es): Packing group: Ш Marine pollutant: nο

Air transport

UN/ID number: 1263 **PAINT UN proper shipping name:** Transport hazard class(es): 3 Ш Packing group:

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

1999/13/EC (VOC): 1954-0500: 77,53 % (651,2 g/l)

1954-0600: 78,34% (658,1 g/l)

National regulatory information

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

Additional information

M 017 Lösemittel (BGI 621)

M 004 Reizende Stoffe / Ätzende Stoffe (BGI 595)

SECTION 16: Other information



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Full text of R-phrases referred to under sections 2 and 3

Highly flammable.Irritating to eyes.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

Full text of H-Statements referred to under sections 2 and 3

H225 Highly flammable liquid and vapour.
 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 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. Reserved for industrial and professional use.

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



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Pico-Fit Thinner 1954-0700

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

Product identifier

Pico-Fit Thinner 1954-0700

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

Use of the substance/mixture

Thinner for Pico-Fit die varnish

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 Telefax: +49 7731 8208-70

e-mail: info@renfert.com

Contact person: Frau Andris Telephone: +49 7731 8208-927

Internet: www.renfert.com

<u>Emergency telephone:</u> Vergiftungs-Zentrale Freiburg

+49 761 19 240

SECTION 2: Hazards identification

Classification of the substance or mixture

Indications of danger: Highly flammable, Irritant

R-phrases: Highly flammable. Irritating to eyes.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

Label elements

Danger symbols: F - Highly flammable; Xi - Irritant





F - Highly flammable

Xi - Irritant

R phrases

Highly flammable. 36 Irritating to eyes.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

S phrases

07/09 Keep container tightly closed and in a well-ventilated place.

16 Keep away from sources of ignition - No smoking.

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

Additional advice on labelling

The R and S phrases can be omitted if the pack contains no more than 0,125 litres.

SECTION 3: Composition/information on ingredients

Mixtures





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Chemical characterization

Solvent

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
200-662-2	acetone; propan-2-one; propanone	> 70 %
67-64-1	F, Xi R11-36-66-67	
606-001-00-8	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	

Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures

Description of first aid measures

General information

Change contaminated clothing.

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, seek medical treatment.

After contact with eyes

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

After ingestion

Rinse mouth immediately and drink large quantities of water. Do not induce vomiting. Immediately get medical attention.

Most important symptoms and effects, both acute and delayed

Following symptoms can occur: Vapours may cause drowsiness and dizziness. Process vapours can irritate airways, skin and eyes. Repeated exposure may cause skin dryness or cracking.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Extinguishing powder. Carbon dioxide (CO2). alcohol resistant foam. Water spray.

Extinguishing media which must not be used for safety reasons

High power water jet.

Special hazards arising from the substance or mixture

Vapours may form explosive mixtures with air.

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

Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation.



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Wear personal protection equipment.

Remove all sources of ignition.

Environmental precautions

Do not empty into drains or the aquatic environment.

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 containers for disposal.

Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Use only in well-ventilated areas.

Avoid contact with skin and eyes.

Advice on protection against fire and explosion

Vapours may form explosive mixtures with air. Keep away from sources of ignition - No smoking.

Further information on handling

In case of open handling, use devices with built-in suction where possible.

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 agents, strong.

Further information on storage conditions

Protect against: UV-radiation/sunlight. heat.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits (EH40)

CAS No	Chemical name	ml/m³	mg/m³	F/ml	Category	Origin
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
		1500	3620		STEL (15 min)	WEL
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

Exposure controls

Occupational exposure controls

refer to chapter 7. No further action is necessary.

Protective and hygiene measures

Do not breathe vapour.

Avoid contact with skin, eye and clothing.

Wash hands before breaks and at the end of work.

Respiratory protection

Respiratory protection required in case of: insufficient ventilation.

Hand protection

When handling chemical substances, chemical protective gloves must be worn with CE label including





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a four digit code. Tested protective gloves are to be worn:

Suitable material: NBR (Nitrile rubber). PVC (Polyvinyl chloride).

In the cases of special applications, it is recommended to check the chemical resistance with the

manufacturer of the gloves.

Eye protection

Tightly sealed safety glasses.

Environmental exposure controls

Do not empty into drains or the aquatic environment.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state: liquid Colour: clear

Odour: characteristic

Test method

pH-Value: not applicable

Changes in the physical state

Boiling point: 56 °C

Flash point: - 14 °C DIN 51755 (cc)

Explosive properties

Vapours may form explosive mixtures with air.

Lower explosion limits:

Upper explosion limits:

13,0 * vol. %

Ignition temperature:

540 * °C

Density (at 20 °C):

Water solubility:

Solvent content:

2,1 * vol. %

13,0 * vol. %

0,78 - 0,80 g/cm³

miscible.

Other information

SECTION 10: Stability and reactivity

Reactivity

Vapours may form explosive mixtures with air.

Chemical stability

See chapter 7. No further action is necessary.

Possibility of hazardous reactions

Vapours may form explosive mixtures with air.

Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Incompatible materials

Reacts with: Oxidizing agents, strong.

Hazardous decomposition products

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

SECTION 11: Toxicological information

Information on toxicological effects

^{*} Data apply to the principal component.





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Acute toxicity

CAS No	Chemical name										
	Exposure routes	Method	Dose	Species	Source						
67-64-1	acetone; propan-2-one; propanone										
	oral	LD50	5800 mg/kg	Rat	RTECS						
	dermal	LD50 mg/kg	20000	Rabbit	IUCLID						
	inhalative (4 h)	LC50	76 mg/l	Rat							

Irritation and corrosivity

Irritant effect on the skin: Not an irritant. Irritant effect on the eye: irritant.

Sensitising effects

no danger of sensitization.

Empirical data on effects on humans

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

Has de-greasing effect on the skin.

Further information

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

SECTION 12: Ecological information

Toxicity

CAS No	Chemical name										
	Aquatic toxicity	Method	Dose	h	Species	Source					
67-64-1	acetone; propan-2-one; propanone										
	Acute fish toxicity	LC50	5540 mg/l	96	Onchorhynchus mykiss						
	Acute crustacea toxicity	EC50	6100 mg/l	48	Daphnia magna						

Persistence and degradability

There are no data available on the mixture itself.

Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
67-64-1	acetone; propan-2-one; propanone	-0,24

Mobility in soil

There are no data available on the mixture itself.

Results of PBT and vPvB assessment

There are no data available on the mixture itself.

Further information

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

SECTION 13: Disposal considerations

Waste treatment methods

Advice on disposal

Carry out a burning of harzardous waste according to official regulations.





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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

Classified as hazardous waste.

Contaminated packaging

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

SECTION 14: Transport information

Land transport (ADR/RID)

UN number: 1263

UN proper shipping name: FARBZUBEHÖRSTOFFE

Transport hazard class(es): 3
Packing group: ||

Marine transport

UN number: 1263

UN proper shipping name: PAINT RELATED MATERIAL

Transport hazard class(es):

Packing group:

Marine pollutant:

no

Air transport

UN/ID number: 1263

UN proper shipping name: PAINT RELATED MATERIAL

Transport hazard class(es): 3
Packing group: II

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

1999/13/EC (VOC): 100 % (780 g/l)

National regulatory information

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

Additional information

M 017 Lösemittel (BGI 621)

M 004 Reizende Stoffe / Ätzende Stoffe (BGI 595)

SECTION 16: Other information

Full text of R-phrases referred to under sections 2 and 3

Highly flammable.Irritating to eyes.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

Full text of H-Statements referred to under sections 2 and 3

H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.



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Further Information

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