



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**die:master aqua thinner 1957 0550**

Revision date: 01.03.2019

Product code: 19570550

Page 1 of 7

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

### 1.1. Product identifier

die:master aqua thinner 1957 0550

#### Further trade names

1957 2000 die:master aqua Set

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

#### Use of the substance/mixture

die:master aqua thinner

#### 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  
e-mail: info@renfert.com  
Internet: www.renfert.com

Telefax: +49 7731 8208-70

#### Supplier

Company name: Ivoclar Vivadent Pty. Ltd.  
Street: 1-5 Overseas Drive  
Place: - Noble Park North VIC 317  
Telephone: + 61 3 9795 959

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

Hazard Statements:

Highly flammable liquid and vapour.

Causes serious eye irritation.

### 2.2. Label elements

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

Signal word: Danger

Pictograms:



#### Hazard statements

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.

#### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P280 Wear protective gloves and eye/face protection.  
P337+P313 If eye irritation persists: Get medical advice/attention.

### 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

### 3.2. Mixtures

#### Chemical characterization

Solvent mixture



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**die:master aqua thinner 1957 0550**

Revision date: 01.03.2019

Product code: 19570550

Page 2 of 7

## Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	GHS Classification			
64-17-5	ethanol			> 80 %
	200-578-6	603-002-00-5	01-2119457610-43	
	Flam. Liq. 2, Eye Irrit. 2; H225 H319			

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

## 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

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

The following symptoms may occur:

Vapours may cause drowsiness and dizziness. Processing vapours can irritate the respiratory tracts, skin and eyes.

Repeated exposure may cause skin dryness or cracking.

### 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.

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.

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

## SECTION 6: Accidental release measures

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

Use personal protection equipment.

Remove all sources of ignition.

Provide adequate ventilation.

### 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). 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

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**die:master aqua thinner 1957 0550**

Revision date: 01.03.2019

Product code: 19570550

Page 3 of 7

**Advice on safe handling**

Avoid contact with eyes and skin.  
Use only in well-ventilated areas.  
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.

**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
64-17-5	Ethanol	1000	1920		TWA (8 h)	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: > 480 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.

**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: like: Alcohol

pH-Value:

**Test method**  
not applicable

**Changes in the physical state**

Melting point: - 121 °C  
Initial boiling point and boiling range: 78 °C Literaturwert  
Flash point: 12 °C DIN 51755 (cc)

**Flammability**

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**die:master aqua thinner 1957 0550**

Revision date: 01.03.2019

Product code: 19570550

Page 4 of 7

Solid: not applicable  
 Gas: not applicable

**Explosive properties**

Vapours can form explosive mixtures with air.

Lower explosion limits: 3,5 vol. % Literaturwert  
 Upper explosion limits: 15 vol. % Literaturwert  
 Ignition temperature: 400 °C Literaturwert

**Auto-ignition temperature**

Solid: not applicable  
 Gas: not applicable

Decomposition temperature: No data available  
 Vapour pressure: 58 hPa berechnet

(at 20 °C)

Density (at 20 °C): 0,75 - 0,85 g/cm<sup>3</sup>

Water solubility: completely miscible

(at 20 °C)

Partition coefficient: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Evaporation rate: No data available

Solvent content: 100 %

**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**

Oxidising agent

**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
64-17-5	ethanol				
	oral	LD50 > 2000 mg/kg	Rat		OECD 401
	dermal	LD50 > 2000 mg/kg	Rabbit		OECD 402
	inhalation (4 h) vapour	LC50 > 20 mg/l	Rat		OECD 403

**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.



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**die:master aqua thinner 1957 0550**

Revision date: 01.03.2019

Product code: 19570550

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	Dose	[h]   [d]	Species	Source	Method
64-17-5	ethanol					
	Acute fish toxicity	LC50 mg/l	> 2000	96 h	Pimephales promelas (fathead minnow)	OECD 203
	Acute algae toxicity	ErC50 mg/l	> 200	72 h	Chlorella vulgaris	OECD 201
	Acute crustacea toxicity	EC50 mg/l	> 300	48 h	Daphnia magna (Big water flea)	OECD 202

**12.2. Persistence and degradability**

There are no data available on the mixture itself.

CAS No	Chemical name	Method	Value	d	Source
	ethanol	Evaluation			
64-17-5	ethanol	OECD 301B	97 %	28	
	Readily biodegradable (according to OECD criteria).				

**12.3. Bioaccumulative potential**

No indication of bioaccumulation potential.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
64-17-5	ethanol	-0,35

**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**

Do not allow uncontrolled discharge of product into the environment. The product has not been tested. The statement is derived from the properties of the single components.

**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**



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**die:master aqua thinner 1957 0550**

Revision date: 01.03.2019

Product code: 19570550

Page 6 of 7

**Land transport (ADR/RID)**

**14.1. UN number:** UN 1263  
**14.2. UN proper shipping name:** FARBZUBEHÖRSTOFFE  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3

**Marine transport (IMDG)**

**14.1. UN number:** UN 1263  
**14.2. UN proper shipping name:** PAINT RELATED MATERIAL  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Marine pollutant: no

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

**14.1. UN number:** UN 1263  
**14.2. UN proper shipping name:** Paint related material  
**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): 100 %

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age.

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

**15.2. Chemical safety assessment**

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

**SECTION 16: Other information****Changes**

Abs. 8, 14, 16 \* Data changed compared with the previous version

**Abbreviations and acronyms**

PBT: Persistent, Bioaccumulative and Toxic

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**die:master aqua thinner 1957 0550**

Revision date: 01.03.2019

Product code: 19570550

Page 7 of 7

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

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

H225 Highly flammable liquid and vapour.  
 H319 Causes serious eye irritation.

**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.)*