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: Identificat	ion of the sub	stance/mixture and of the company/undertaking		
1.1. Product identifier				
die:master aqua thi	nner 1957 05	550		
Further trade names				
1957 2000 die:ma	•			
		ance or mixture and uses advised against		
Use of the substance				
die:master aqua th				
Uses advised against				
No information ava				
1.3. Details of the supplie	er of the safety d			
Company name: Street:		Renfert GmbH Untere Giesswiesen 2		
Place:		D-78247 Hilzingen		
Telephone:		+49 7731 8208-0	Telefax:	+49 7731 8208-70
e-mail:		info@renfert.com	101010/1	
Contact person:		Frau Andris	Telephone:	+49 7731 8208-927
e-mail:		silke.andris@renfert.com		
Internet:		www.renfert.com		
1.4. Emergency telephone	<u>e number:</u>	GB: 0044 151 951 3317 (Health and Safety Executive		
		800-222-1222 (National Poison Control number) CA		
		604-682-5050 Alberta: 1-800-332-1414 or 944-1414 Manitoba: 1-855-776-4766 Ontario: 1-800-268-9017		
		Brunswick: 911 New Foundland: 1-866-727-1110 Nor		
		Nova Scotia: 1-800-565-8161 AU: 13 11 26 ZA: 02		
		931 6129 (24 Hours)		
SECTION 2: Hazards id	dentification			
2.1. Classification of the	substance or mi	vturo		
Regulation (EC) No. 127		Xture		
Hazard categories				
Flammable liquid:				
Serious eye dama	age/eye irritation:	Eye Irrit. 2		
Hazard Statement				
Highly flammable		r.		
Causes serious ey	ye irritation.			
2.2. Label elements				
Regulation (EC) No. 127				
Signal word:	Danger			
Pictograms:		\wedge		
	- < 🖏 >			
Hazard statements	•	•		
H225	Highly flam	nmable liquid and vapour.		
H319		rious eye irritation.		
Precautionary statem	ents			
P210	Keep away	r from heat, hot surfaces, sparks, open flames and other	r ignition sources.	No smoking.
P233		ainer tightly closed.		
P280		ective gloves and eye/face protection.		
P337+P313	If eye irrita	tion persists: Get medical advice/attention.		
2.3. Other hazards			N/III	
The substances in	n the mixture do r	not meet the PBT/vPvB criteria according to REACH, an	nex XIII.	
SECTION 3: Compositi	ion/informatio	n on ingredients		
3.2. Mixtures		-		
	ation			
Chemical characteriza	auon			

Renfert GmbH



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Hazardous components

Chemical name	Chemical name			
EC No	Index No	REACH No		
GHS Classification				
ethanol			> 80 %	
200-578-6	603-002-00-5	01-2119457610-43		
Flam. Liq. 2, Eye Irrit. 2; H	I225 H319			
	EC No GHS Classification ethanol 200-578-6	EC No Index No GHS Classification ethanol	EC No Index No REACH No GHS Classification ethanol 200-578-6 603-002-00-5 01-2119457610-43	

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 (CO2), 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

5.2. 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



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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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	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

Initial boiling point and boiling range:

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: Colour: Odour:	Liquid colourless like: Alcohol
pH-Value:	
Changes in the physical state Melting point:	

not applicable

- 121 °C 78 °C Literaturwert 12 °C DIN 51755 (cc)

Test method

Revision No: 4,0

Flash point:

Flammability

Renfert

Safety Data Sheet

Renfert GmbH

according to Regulation (EC)	No 1907/2006	
die:master aqua thinner	1957 0550	
Product code: 19570	0550	

Revision date: 01.03.2019 Product code: 19570550 Page 4 of 7 Solid: not applicable Gas: not applicable Gas: 15 vol. % Literaturwert Upper explosion limits: 3,5 vol. % Literaturwert Upper explosion limits: 15 vol. % Literaturwert Upper explosion limits: 15 vol. % Literaturwert Upper explosion limits: 0.00 °C Literaturwert Solid: not applicable Gas: 0.01 Splitsbele Gas: not applicable Gas: 0.075 - 0.85 grant Value: 0.075 - 0.85 grant Value: Value: Value: not datermined Value: Value: Value: not datermined Value: Value: Value: No data available No data: Value: No data available <t< th=""><th></th><th></th><th>die:mas</th><th>ster ac</th><th>jua thinner</th><th>1957 0550</th><th></th><th></th></t<>			die:mas	ster ac	jua thinner	1957 0550		
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inhalation (4 h) vapour LC50 > 20 mg/l Rat OECD 403		dermal	LD50 > 2	000	Rabbit		OECD 402	
Irritation and corrosivity		Inhalation (4 h) vapour	LC50 > 2	:0 mg/l	Rat		OECD 403	
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.



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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	Chemical name					
	Aquatic toxicity	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		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
	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

		Renfert G	GmbH
Renfert	Safety Data Sh	neet	
	according to Regulation (EC)	No 1907/2006	
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Land transport (ADR/RID)			
<u>14.1. UN number:</u>	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)	•		
<u>14.1. UN number:</u>	UN 1263		
14.2. UN proper shipping name:	PAINT RELATED MATERIAL		
14.3. Transport hazard class(es):	3		
14.4. Packing group:	11		
Hazard label:	3		
Marine pollutant:	no		
Air transport (ICAO-TI/IATA-DGR)			
<u>14.1. UN number:</u>	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 not applicable	of Marpol and the IBC Code		
SECTION 15: Regulatory information			
15.1. Safety, health and environmental regula	tions/legislation specific for the su	<u>Ibstance or mixture</u>	
EU regulatory information			
2004/42/EC (VOC):	100 %		
National regulatory information			
Employment restrictions:	protection guideline' (94/33/E0 Maternity Protection Directive	yment for juvenils according to the 'juvenile wo C). Observe employment restrictions under the (92/85/EEC) for expectant or nursing mothers	e
Water contaminating class (D):	1 - slightly water contaminatin	ons for women of child-bearing age.	
15.2. Chemical safety assessment		<u>.</u>	
For the following substances of this m ethanol	xture a chemical safety assessment	has been carried out:	
SECTION 16: Other information			
Changes			
Abs. 8, 14, 16 * Data changed compa	red with the previous version		
Abbreviations and acronyms			

PBT: Persistent, Bioaccumulative and Toxic



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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)

Highly flammable liquid and vapour.

Causes serious eye irritation.

Further Information

H225

H319

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.)