

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

## 50 020 - Alcoholic retouching varnish

Article No.  
Version 3 ( 08.12.16 )

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

#### 1.1 Product identifier

Trade name 50 020 - Alcoholic retouching varnish

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

General use  
Products for creation of art.

Uses advised against

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

H. Schmincke & Co. GmbH & Co. KG  
Otto-Hahn-Str. 2  
D - 40699 Erkrath  
Tel. +49 (0) 211-2509-0  
Fax. +49 (0) 211-2509-497  
info@schmincke.de  
www.schmincke.de

Dept. responsible for information  
Schmincke-lab:  
mo-th 8.00-16.30, fr 8.00-13.30  
Tel. +49 (0) 211-2509-474  
labor@schmincke.de

#### 1.4 Emergency telephone number

Emergency  
Information  
Phone #

Emergencycall Berlin  
(24h - counseling in german and english)  
+49 (0) 30-30686790

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to EC regulation 1272/2008 (CLP)

Eye Irrit. 2; H319 Causes serious eye irritation.  
Flam. Liq. 2; H225 Highly flammable liquid and vapour.

#### 2.2 Label elements

##### Labelling (CLP)



Signal word Danger

##### Hazard statements

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

##### Safety precautions

P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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### 2.3 Other hazards

## SECTION 3: Composition / information on ingredients

### 3.1 Substances

#### Chemical characterisation

Alcohol  
ketone resin  
essential oils  
  
CAS-Number  
EINECS / ELINCS / NLP  
EU index number  
Customs tariff number  
REACH registration No.  
RTECS-no.  
Hazchem-Code  
CI-Number

### 3.2 Mixtures

#### Substance 1

ethanol: 50 - 60 %  
CAS: 64-17-5

Eye Irrit. 2; H319 / Flam. Liq. 2; H225

#### Substance 2

propan-2-ol: 5 - 10 %  
CAS: 67-63-0  
REACH: 01-2119457558-25

Eye Irrit. 2; H319 / Flam. Liq. 2; H225 / STOT SE 3;  
H336

#### Substance 3

2-methylpropan-1-ol: 1,0 - 2,5 %  
CAS: 78-83-1

Eye Irrit. 2; H319 / Flam. Liq. 3; H226 / STOT SE 3;  
H335 / STOT SE 3; H336 / Skin Irrit. 2; H315

#### Substance 4

lavender oil: < 0,5 %

Aquatic Chronic 2; H411 / Skin Irrit. 2; H315 / Skin  
Sens. 1; H317

#### Additional information

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

#### In case of inhalation

Move victim to fresh air. Seek medical aid in case of troubles.

#### In case of skin contact

Wash with generous amount of water and soap. Seek medical attention if irritation persists.

#### After eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

#### After swallowing

Rinse mouth immediately and drink plenty of water. Get medical advice/attention.

### 4.2 Most important symptoms and effects, both acute and delayed

### 4.3 Indication of any immediate medical attention and special treatment needed

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

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### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

### Extinguishing media which must not be used for safety reasons

strong water jet

### 5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: carbon monoxide and carbon dioxide

### 5.3 Advice for firefighters

Special protective equipment for firefighters

Additional information

## SECTION 6: Accidental release measures

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

Avoid contact with the substance.

### 6.2 environmental precautions

Do not allow to enter into ground-water, surface water or drains.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up

Collect mechanically using liquid-binding material (sand, diatomaceous earth, universal binding agents). Dispose of waste in accordance with local, state, and federal regulations.

Additional information

### 6.4 Reference to other sections

Safe handling: see section 7 Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advices on safe handling

Handle in accordance with good industrial hygiene and safety practice.

Precautions against fire and explosion

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers

Hints on joint storage

Storage class

Further details

### 7.3 Specific end use(s)

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

64-17-5 ethanol

DEU	WEL	500,000	mL/m <sup>3</sup>	-
DEU	WEL	960,000	mg/m <sup>3</sup>	2(II); DGF; Y
USA	PEL (US)	1.000,000	ppm	8h (long term)
USA	PEL (US)	1.900,000	mg/m <sup>3</sup>	8h (long term)

67-63-0 propan-2-ol

DEU	WEL	200,000	mL/m <sup>3</sup>	-
DEU	WEL	500,000	mg/m <sup>3</sup>	2(II); DFG; Y

78-83-1 2-methylpropan-1-ol

D	WEL	310,000	mg/m <sup>3</sup>	-
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D	WEL	100,000	ml/m <sup>3</sup>	1(I); DGF; Y
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### 8.2 Exposure controls

#### Occupational exposure controls

##### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.  
Respiratory protection must be worn whenever the WEL levels have been exceeded.  
Combination filtering device (EN 14387) Use filter type A (= against vapours of organic substances)

##### Hand protection

Qualified materials: Butyl caoutchouc (butyl rubber)

Layer thickness > 0,50 mm

Breakthrough time > 480 min

Butoflex 650 - MAPA GmbH, Industriestraße 21- 25, D-27404 Zeven, Internet: www.mapa-pro.de

All information was derived in accordance with EU directive 89/686/EEG and the resultant EN 374 in cooperation with MAPA GmbH. This recommendation applies exclusively to the product and use named in Section 1. In the event of commingling or deviating conditions, contact the suppliers of CE-approved gloves. This information is based on our current state of knowledge and describes the security standards applicable to our product for the purpose provided.

##### Eye protection

Goggles

##### Body protection

Wear suitable protective clothing. Wash contaminated clothing prior to re-use.

##### General protection and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling.

## SECTION 9: Physical and chemical properties

### 9.1 information on basic physical and chemical properties

Form liquid  
Colour clear  
Odour alcoholic

min max

Initial boiling point and boiling range

Melting point/freezing point

Flash point/flash point range

12 °C 12 °C

Flammability

Ignition temperature

Auto-ignition temperature

Explosion limits

Refraction index

Partition coefficient: n-octanol/water

Danger of explosion

Vapour pressure

Density 0,87 g/ml

PH value

Viscosity dynamic of

Viscosity dynamic up to

Viscosity kinematic of

Viscosity kinematic up to

### 9.2 Other information

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

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### 10.2 Chemical stability

### 10.3 Possibility of hazardous reactions

### 10.4 Conditions to avoid

### 10.5 Incompatible materials

strong oxidizing agents

### 10.6 Hazardous decomposition products

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### In case of inhalation

No data available

##### After swallowing

No data available

##### In case of skin contact

No data available

##### After eye contact

No data available

### Practical experience

### General remarks

### Toxicological tests

64-17-5	ethanol						
	oral	LD50	Rat		5000,000	mg/kg	-
	inhalative	LC50	Rat		1800,000	mg/l	4h
	dermal	LD50	Rabbit		10000,000	mg/kg	-
67-63-0	propan-2-ol						
	oral	LD50	Rat		5050,000	mg/kg	-
78-83-1	2-methylpropan-1-ol						
	oral	LD50	Rat		2190,000	mg/kg	-
	dermal	LD50	Rat		2000,000	mg/kg	-

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

Water Hazard Class 1

WGK catalog number

General information

### 12.2 Persistence and degradability

#### Further details

Oxygen demand

### 12.3 Bioaccumulative potential

Bioconcentration factor (BCF)

Partition coefficient: n-octanol/water

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

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### 12.6 Other adverse effects

#### General information

#### Ecotoxicological effects

64-17-5	ethanol	LC50	fish	8150,000	mg/l	48h
		EC50	Daphnia magna	14221,000	mg/l	48h
67-63-0	propan-2-ol	LC50	fish	1000,000	mg/l	(96h)
		LC50	fish	3670,000	mg/l	96h

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste key number 080 111 080111\* waste paint and varnish containing organic solvents or other dangerous substances  
Recommendation

#### Contaminated packaging

Waste key number  
Recommendation

#### Additional information

## SECTION 14: Transport information

### 14.1 UN number

1170

### 14.2 UN proper shipping name

ADR, ADN ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  
IMDG, IATA ETHANOL SOLUTION

### 14.3 Transport hazard class(es)

ADR, ADN 3  
IMDG 3  
IATA 3

### 14.4 Packing group

II

### 14.5 Environmental hazards

Marine Pollutant - IMDG No  
Marine Pollutant - ADN

### 14.6 Special precautions for user

#### Land transport

Code: ADR/RID F1  
Kemmler-number 33  
Hazard label ADR 3  
Limited quantities 1L

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Contaminated packaging: Instructions	P001 - IBC02 - R001
Contaminated packaging: Special provisions	-
Special provisions for packing together	MP19
Portable tanks: Instructions	T4
Portable tanks: Special provisions	TP1
Tank coding	LGBF
Tunnel restriction	D/E
Remarks	
EQ	E2
Special provisions	144 - 601

### Inland waterway craft

Hazard label  
Limited quantities  
Transport permitted  
Equipment necessary  
Ventilation  
Remarks  
EQ  
Special provisions

### Sea transport

EmS	F-E, S-D
Special provisions	144
Limited quantities	1L
Contaminated packaging: Instructions	P001
Contaminated packaging: Special provisions	-
IBC: Instructions	IBC02
IBC: Provisions	-
Tank instructions IMO	-
Tank instructions UN	T4
Tank instructions Special provisions	TP1
Stowage and segregation	category A
Properties and observations	
Remarks	
EQ	E2

### Air transport

Hazard	Flammable Liquid
Passenger	353 (5L)
Passenger LQ	Y341 (1L)
Cargo	364 (60L)
ERG	3L
Remarks	
EQ	E2
Special Provisioning	A3

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

## SECTION 15: Regulatory information

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

#### National regulations

##### Europe

Contents of VOC [%]  
Contents of VOC

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[g/L]  
Further regulations, limitations and legal requirements

### Germany

Storage class  
Water Hazard Class 1  
WGK catalog number  
Incident regulation  
Information on working limitations  
Further regulations, limitations and legal requirements

### Denmark

Further regulations, limitations and legal requirements

### Hungary

Further regulations, limitations and legal requirements

### Great Britain

Further regulations, limitations and legal requirements

### Switzerland

Contents of VOC [%]  
~ 68 %  
Further regulations, limitations and legal requirements

### USA

Further regulations, limitations and legal requirements  
Federal Regulations  
State Regulations

### Japan

Further regulations, limitations and legal requirements

### Canada

Further regulations, limitations and legal requirements

## 15.2 Chemical Safety Assessment

## SECTION 16: Other information

### Further information

Hazard statements (CLP)	H225	Highly flammable liquid and vapour.
	H226	Flammable liquid and vapour.
	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H319	Causes serious eye irritation.
	H335	May cause respiratory irritation.
	H336	May cause drowsiness or dizziness.
	H411	Toxic to aquatic life with long lasting effects.

### Further information

This information is based on our current state of knowledge and describes the security standards applicable to our product for the purpose provided. The information provided here does not constitute a legally binding warranty of specific characteristics or of suitability for a specific application use of the product is thus to be adapted to the user's special conditions and checked by preliminary tests. We are thus unable to guarantee product characteristics or accept an liability for damage arising in connection with the use of our products.

### Literature



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For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

**Reason of change**

**Additional information**