

SAFETY DATA SHEET

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

50 020 - Alcoholic retouching varnish

Article No.	50020025 alcoholic retouching varnish	Issue date:	28.02.19
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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-labor:
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) 30-30686700

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



Signal word Danger
(CLP)

Hazard components for labelling

Hazard statements (CLP)

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

Safety precautions (CLP)

P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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
REACH: 01-2119457610-43-XXXX
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

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4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 Extinguishing media

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	200,000	mL/m ³	-
DEU	WEL	380,000	mg/m ³	2(II); DGF; Y
USA	PEL (US)	1.000,000	ppm	8h (long term)
USA	PEL (US)	1.900,000	mg/m ³	8h (long term)

67-63-0 propan-2-ol

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

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

D	WEL	310,000	mg/m ³	-
D	WEL	100,000	mL/m ³	1(I); DGF; Y

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/EWG 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	12 °C	12 °C	
Flash point/flash point range			
Flammability			
Ignition temperature			
Auto-ignition temperature			
Explosion limits			
Refraction index			
PH value			
Viscosity			
Viscosity			
Vapour pressure			
Density		0,87 g/ml	
Partition coefficient: n-octanol/water			

Danger of explosion

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9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

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

Toxicological tests

64-17-5 ethanol

oral	LD50	Rat		10470,00000	mg/kg	-
inhalative	LC50	Rat		38,00000	mg/l	(4h)
inhalative	LC50	Mouse	>	20,00000	mg/l	(4h)
dermal	LD50	Rabbit	>	2000,00000	mg/kg	-

Toxicological tests

67-63-0 propan-2-ol

oral	LD50	Rat	>=	5050,00000	mg/kg	-
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Toxicological tests

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

oral	LD50	Rat		2190,00000	mg/kg	-
dermal	LD50	Rat	>	2000,00000	mg/kg	-

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

SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicological effects

64-17-5 ethanol

LC50	Leuciscus idus			8140,00000	mg/l	48h
EC50	Chlorella vulgaris			275,00000	mg/l	(72h)
EC50	Daphnia magna	>		10000,00000	mg/l	48h

Ecotoxicological effects

67-63-0 propan-2-ol

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LC50	fish	>	1000,00000	mg/l	(96h)
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Ecotoxicological effects

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

LC50	fish		3670,00000	mg/l	96h
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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

12.6 Other adverse effects

General information

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

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

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

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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
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

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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

[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.

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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

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