

MATERIAL 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-Labor:
Mo-Do 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

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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

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

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 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 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

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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	500,000	mL/m ³	-
DEU	WEL	960,000	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

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

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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/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

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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

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	-
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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

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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

Ecotoxicological effects

64-17-5 ethanol

not required	LC50	fish		8150,000	mg/l	48h
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not required	EC50	Daphnia magna		14221,000	mg/l	48h
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67-63-0 propan-2-ol

not required	LC50	fish		1000,000	mg/l	(96h)
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78-83-1 2-methylpropan-1-ol

not required	LC50	fish		3670,000	mg/l	96h
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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

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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

No data available

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SECTION 15: Regulatory information

Bezeichner in aktueller Sprache fehlt!

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

State Regulations

Signal Word

WARNING!

Principal Hazards

Flammable. Causes eye irritation.

Hazardous Ingredients

Contains isopropanol and ethanol.

Hazard Statement

Vapor harmful. Harmful if swallowed. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Causes eye, skin, nose and throat irritation.

Precaution Statement

Keep away from heat sparks and flame. Vapors may cause flash fire. Do not smoke. Prevent build-up of vapors by opening all windows and doors to achieve cross ventilation. Use only with adequate ventilation. Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

First aid Statements

If swallowed, do not induce vomiting. Get medical attention immediately. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. In case of eye contact, immediately flush eyes with plenty of water for 15 minutes and get medical attention immediately. For skin, wash thoroughly with soap and water.

Children's Statement

Keep out of reach of children.

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Required Statements

Conforms to ASTM D-4236. For additional health information call the Poison Control Center 1-800-222-1222.

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.
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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

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.