

SAFETY DATA SHEET

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

50 418 - AEROSPRAY retouching varnish

Article No.	50 418	Issue date:	02.06.23
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name 50 418 - AEROSPRAY retouching varnish
REACH registration No. ---
UFI UFI: 4MMG-J4HT-U00P-RG9P

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-Strasse 2
D-40699 Erkrath
Tel +49 (0) 211 - 2509 - 0
Fax +49 (0) 211 - 2509 - 479
info@schmincke.de
www.schmincke.de
Schmincke-lab:
mo-th 8.00-16.30, fr 8.00-13.30
tel. +49 (0) 211-2509-474
sdb@schmincke.de

1.4 Emergency telephone number

**Emergencycall Berlin
+49 30-30686700
(24/7 counseling in german and english)**

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Aquatic Chronic 2; H411 Toxic to aquatic life with long lasting effects.
Eye Irrit. 2; H319 Causes serious eye irritation.
Flam. Aerosol 1; H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.

2.2 Label elements

Labelling



Signal word Danger

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.

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H411 Toxic to aquatic life with long lasting effects.

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.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P260 Do not breathe spray.

P271 Use only outdoors or in a well-ventilated area.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

P312 Call a POISON CENTER if you feel unwell.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

Text for labelling (CLP)

Repeated exposure may cause skin dryness or cracking. (EUH066)

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical characterisation

acrylic resin
aldehyde resin
white spirit
Alcohol
propellant(PROPANE / BUTANE)

CAS-Number ---
EINECS / ELINCS / NLP ---
EU index number ---
REACH registration No. ---
Hazchem-Code ---
CI-Number ---

3.2 Mixtures

Substance 1

solvent naphtha (petroleum), light, aromatic: 50 - 75 %
CAS: 64742-95-6
REACH: 01-2119455851-35
Aquatic Chronic 2; H411 / Asp. Tox. 1; H304 / Flam. Liq. 3; H226 / STOT SE 3; H335 / STOT SE 3; H336 / EUH066

Substance 3

butane: 20 - 30 %
CAS: 106-97-8
REACH: 01-2119474691-32
Compr. Gas; H280 / Flam. Gas 1; H220

Substance 2

butan-1-ol: 1,0 - 2,5 %
CAS: 71-36-3
REACH: 01-2119484630-38
Acute Tox. 4; H302 / Acute Tox. 4; H332 / Eye Dam. 1; H318 / Flam. Liq. 3; H226 / STOT SE 3; H335 / STOT SE 3; H336 / Skin Irrit. 2; H315

Substance 4

propane: 1 - 10 %
CAS: 74-98-6
REACH: 01-2119471330-49
Compr. Gas; H280 / Flam. Gas 1; H220

Additional information

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SECTION 4: First aid measures

4.1 Description of first aid measures

General information

If you feel unwell, seek medical advice (show the label where possible).

In case of inhalation

Move victim to fresh air, put at rest and loosen restrictive clothing. Seek medical attention if problems persist.

In case of skin contact

Thoroughly wash skin with soap and water. Seek medical attention if irritation persists.

After eye contact

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After swallowing

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

Suitable extinguishing media

extinguishing powder carbon dioxide Water spray jet

Extinguishing media which must not be used for safety reasons

none

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

Use appropriate respiratory protection.

Additional information

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

refer to section 8

6.2 environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up

Absorb leftover product with non-flammable liquid-binding material (e.g. earth, sand, vermiculite or ground sand stone) and place in closed containers for disposal.

Additional information

6.4 Reference to other sections

Dispose of waste according to applicable legislation. refer to section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling

Provide good ventilation and/or an exhaust system in the work area. In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

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Precautions against fire and explosion

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers

Store in a well-ventilated place. Keep container tightly closed.

Hints on joint storage

Storage class

Further details

storage temperature: from 10 °C to 35 °C

7.3 Specific end use(s)

No special measures necessary if stored and handled as prescribed.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

64742-95-6 solvent naphtha (petroleum), light, aromatic

DEU	WEL	50,000	mg/m ³	2(II); AGS
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71-36-3 butan-1-ol

DEU	WEL	100,000	mL/m ³	-
-----	-----	---------	-------------------	---

DEU	WEL	310,000	mg/m ³	1(I); DFG, Y
-----	-----	---------	-------------------	--------------

106-97-8 butane

DEU	WEL	1.000,000	mL/m ³	-
-----	-----	-----------	-------------------	---

DEU	WEL	2.400,000	mg/m ³	4(II); DGF
-----	-----	-----------	-------------------	------------

74-98-6 propane

DEU	WEL	1.000,000	mL/m ³	-
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DEU	WEL	1.800,000	mg/m ³	4(II); DFG
-----	-----	-----------	-------------------	------------

DNEL overview

64742-95-6 solvent naphtha (petroleum), light, aromatic

DNEL worker	Long-term - inhalation, systemic effects	150,00000	mg/m ³
DNEL worker	Long-term - dermal, local effects	25,00000	mg/kg bw/day
DNEL Consumer	Long-term - oral, systemic effects	11,00000	mg/kg bw/day
DNEL Consumer	Long-term - inhalation, systemic effects	32,00000	mg/m ³
DNEL Consumer	Long-term - dermal, systemic effects	11,00000	mg/kg bw/day

DNEL overview

71-36-3 butan-1-ol

DNEL worker	Long-term - inhalation, systemic effects	310,00000	mg/m ³
DNEL Consumer	Long-term - oral, systemic effects	1,56200	mg/kg bw/day
DNEL Consumer	Long-term - inhalation, systemic effects	55,35700	mg/m ³
DNEL Consumer	Long-term - dermal, systemic effects	3,12500	mg/kg bw/day

PNEC overview

71-36-3 butan-1-ol

PNEC soil	0,01700	mg/kg
PNEC aquatic, freshwater	0,08200	mg/L
PNEC aquatic, marine water	0,00800	mg/L

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PNEC soil, freshwater	0,32400	mg/kg
PNEC soil, marine water	0,03200	mg/kg
PNEC sewage treatment plant (STP)	2476,00000	mg/L

Biological limit values: overview

71-36-3 butan-1-ol

not required	urine	end of exposure or end of	10,00000	mg/g	-
not required	urine	before next shift	2,00000	mg/g	-

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: Nitrile rubber
Layer thickness 0,38 mm
Breakthrough time > 480 min
Ultranitril 492 - 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 before breaks and after work.

SECTION 9: Physical and chemical properties

9.1 information on basic physical and chemical properties

Form Aerosol
Colour colourless
Odour white spirit

	min	max		
Melting point/freezing point	---	---		
Initial boiling point and boiling range	---	---		
Flammability		---		
Explosion limits	0,7	8,5 Vol%		
Flash point/flash point range	-60 °C	---		
Ignition temperature	365 °C	---		
PH	---	---	---	---
Viscosity	---	---	---	---
Solubility		---	---	---
Partition coefficient: n-octanol/water		---		
Vapour pressure		4000 hPa	---	---
Density and/or relative density		0,69 g/ml	---	---
Relative vapour density	---	---	---	---

Auto-ignition temperature

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Refraction index --- --- ---

Danger of explosion ---

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

Protect from heat and direct sunlight.

10.5 Incompatible materials

Oxidising agent

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological tests

64742-95-6 solvent naphtha (petroleum), light, aromatic

oral	LD50	Rat	>	3500,00000	mg/kg	-
dermal	LD50	Rat	>	3000,00000	mg/kg	-

Toxicological tests

71-36-3 butan-1-ol

oral	LD50	Rat		1000,00000	mg/kg	-
inhalative	LC50	Rat	>	17,76000	mg/L	(4h)
dermal	LD50	Rabbit	>	2000,00000	mg/kg	-

Toxicological tests

106-97-8 butane

inhalative	LC50	Rat		658,00000	mg/L	(4h)
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Toxicokinetics, metabolism and distribution

Acute toxicity

There are no data available on the preparation/mixture itself.

In case of inhalation

There are no data available on the preparation/mixture itself.

After swallowing

There are no data available on the preparation/mixture itself.

In case of skin contact

There are no data available on the preparation/mixture itself.

After eye contact

There are no data available on the preparation/mixture itself.

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Practical experience

General remarks

11.2 Information on other hazards

SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicological effects

64742-95-6 solvent naphtha (petroleum), light, aromatic

LC50	fish		9,00000	mg/L	(96h)
EC50	Algae	>	2,60000	mg/L	(72h)
EC50	Daphnia magna (Big water)		3,20000	mg/L	(48h)

Ecotoxicological effects

71-36-3 butan-1-ol

LC50	Pimephales promelas (fath)		1376,00000	mg/L	(96h)
EC50	Selenastrum capricornutum		225,00000	mg/L	(96h)
EC50	Daphnia magna (Big water)		1328,00000	mg/L	(48h)
NOEC	Daphnia magna (Big water)		4,10000	mg/L	(21d)

Aquatic toxicity

Water Hazard Class 2

WGK catalog number ---

General information

12.2 Persistence and degradability

Further details

Water Hazard Class: slightly hazardous to water

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 Endocrine disrupting properties

12.7 Other adverse effects

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number

16 05 04 Gases in pressure containers (including halons) containing hazardous substances

Recommendation

Package

Waste key number

Recommendation

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

Additional information

SECTION 14: Transport information

14.1 UN number or ID number

1950

14.2 UN proper shipping name

ADR, ADN AEROSOLS, flammable

IMDG, IATA AEROSOLS, flammable

14.3 Transport hazard class(es)

ADR, ADN 2

IMDG 2.1

IATA 2.1

14.4 Packing group

-

14.5 Environmental hazards

Marine Pollutant - IMDG Yes

Marine Pollutant - ADN -

14.6 Special precautions for user

Land transport (ADR/RID)

Code: ADR/RID 5F

Kemmler-number -

Hazard label ADR 2.1

Limited quantities 1L

Package: Instructions P207 - LP200

Package: Special Provisions PP87 - RR6 - L2

Special provisions for packing together MP9

Portable tanks: Instructions -

Portable tanks: Special Provisions -

Tank coding -

Tunnel restriction D

Remarks ---

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EQ	E0
Special Provisions	190 - 327 - 344 - 625

Sea transport (IMDG)

EmS	F-D, S-U
Special Provisions	63 - 190 - 277 - 327 - 344 - 381 - 959
Limited quantities	1L
Package: Instructions	P207 - LP200
Package: Special Provisions	PP87 - L2
IBC: Instructions	-
IBC: Provisions	-
Tank instructions IMO	-
Tank instructions UN	-
Tank instructions Special Provisions	-
Stowage and segregation	category A SW1 - SG69
Properties and observations	---
Remarks	---
EQ	E0

Air transport (IATA-DGR)

Hazard	-
Passenger	203 (75 kg)
Passenger LQ	Y203 (30 kg G)
Cargo	203 (150 kg)
ERG	10L
Remarks	---
EQ	E0
Special Provisioning	A145 - A167 - A802

14.7 Maritime transport in bulk according to IMO instruments

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	2
WGK catalog number	---
Incident regulation	---
Information on working limitations	---
Further regulations, limitations and legal requirements	---

Switzerland

Contents of VOC [%]	---
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~ 97 %

Further regulations, limitations and legal requirements

USA

Further regulations, limitations and legal requirements

Federal Regulations

State Regulations

Canada

Further regulations, limitations and legal requirements

15.2 Chemical Safety Assessment

SECTION 16: Other information

Further information

Hazard statements (CLP)	H220 Extremely flammable gas.
	H222 Extremely flammable aerosol.
	H226 Flammable liquid and vapour.
	H229 Pressurised container: May burst if heated.
	H280 Contains gas under pressure; may explode if heated.
	H302 Harmful if swallowed.
	H304 May be fatal if swallowed and enters airways.
	H315 Causes skin irritation.
	H318 Causes serious eye damage.
	H319 Causes serious eye irritation.
	H332 Harmful if inhaled.
	H335 May cause respiratory irritation.
	H336 May cause drowsiness or dizziness.
	H372 Causes damage to organs through prolonged or repeated exposure.
	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

REGULATION (EU) 2021/849 - ATP 17

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.