

SAFETY DATA SHEET

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

50 416 - AEROSPRAY final/ picture varnish

Article No.	50416	Issue date:	08.12.20
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name 50 416 - AEROSPRAY final/ picture varnish
Name INCI
Name Ph. Eur.
REACH registration No.
UFI UFI: TFMG-J451-700P-ET4J

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
labor@schmincke.de

1.4 Emergency telephone number

**Emergency
Information**

**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.
Flam. Aerosol 1; H229 Pressurised container: May burst if heated.
STOT SE 3; H335 May cause respiratory irritation.
STOT SE 3; H336 May cause drowsiness or dizziness.

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.

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H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
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.
In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.
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.

Hazard components for labelling

Text for labelling (CLP)

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

2.3 Other hazards

SECTION 3: Composition / information on ingredients

3.1 Substances

Chemical characterisation

acrylic resin
aldehyde resin
white spirit
Alcohol
propellant(DIMETHYL ETHER)
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

solvent naphtha (petroleum), light, aromatic: 25 - 35 %
CAS: 64742-95-6
REACH: 01-2119455851-35
Aquatic Chronic 2; H411 / Asp. Tox. 1; H304 / -; EUH066
/ Flam. Liq. 3; H226 / STOT SE 3; H335 / STOT SE 3;
H336

Substance 3

naphtha (petroleum), hydrotreated heavy: 1 - 5 %
CAS: 64742-48-9
REACH: 01-2119463258-33-xxx
Asp. Tox. 1; H304 / -; EUH066 / Flam. Liq. 3; H226 /
STOT SE 3; H336

Substance 2

propan-2-ol: 10 - <20 %
CAS: 67-63-0
REACH: 01-2119457558-25
Eye Irrit. 2; H319 / Flam. Liq. 2; H225 / STOT SE 3;
H336

Substance 4

dimethyl ether: 20 - 35 %
CAS: 115-10-6
REACH: 01-2119472128-37
Compr. Gas; H280 / Flam. Gas 1; H220

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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, 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

Call a POISON CENTER/doctor/.if you feel unwell. Caution if victim vomits: Risk of aspiration!

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

5.2 Special hazards arising from the substance or mixture

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

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

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use, explosive/highly flammable mixtures may develop.

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

7.3 Specific end use(s)

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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67-63-0 propan-2-ol

DEU	WEL	200,000	mL/m ³	-
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DEU	WEL	380,000	mg/m ³	4(II); DFG; Y
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64742-48-9 naphta (petroleum), hydrotreated heavy

DEU	WEL	300,000	mg/m ³	DFG
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115-10-6 dimethyl ether

DEU	WEL	1.000,000	mL/m ³	-
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DEU	WEL	1.900,000	mg/m ³	8(II); DFG; EU
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DNEL overview

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

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

DNEL overview

67-63-0 propan-2-ol

DNEL worker	Long-term - inhalation, system	950,00000	mg/m ³
DNEL worker	Long-term - dermal, systemic e	343,00000	mg/kg bw/day
DNEL Consumer	Long-term - oral, systemic eff	87,00000	mg/kg bw/day
DNEL Consumer	Long-term - inhalation, system	114,00000	mg/m ³
DNEL Consumer	Long-term - dermal, systemic e	206,00000	mg/kg bw/day

DNEL overview

64742-48-9 naphta (petroleum), hydrotreated heavy

DNEL worker	Long-term - inhalation, system	1500,00000	mg/m ³
DNEL worker	Long-term - dermal, systemic e	300,00000	mg/kg bw/day
DNEL Consumer	Long-term - oral, systemic eff	300,00000	mg/kg bw/day

PNEC overview

67-63-0 propan-2-ol

PNEC soil	0,63000	mg/kg
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PNEC aquatic, freshwater	0,96000	mg/L
PNEC aquatic, marine water	0,79000	mg/L
PNEC soil, freshwater	3,60000	mg/kg
PNEC soil, marine water	2,90000	mg/kg
PNEC sewage treatment plant (S)	580,00000	mg/L

8.2 Exposure controls

Occupational exposure controls

Respiratory protection

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 > 0,35 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/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 abased 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
Initial boiling point and boiling range		
Melting point/freezing point	-41 °C	-41 °C
Flash point/flash point range		
Flammability		
Ignition temperature		
Auto-ignition temperature		
Explosion limits		
Refraction index		
PH		
Viscosity		
Viscosity		
Vapour pressure		4000 hPa
Density		0,7 - 0,8 g/ml
Partition coefficient: n-octanol/water		

Danger of explosion

9.2 Other information

SECTION 10: Stability and reactivity

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- 10.1 Reactivity**
- 10.2 Chemical stability**
- 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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological tests

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

oral	LD50	Rat	>	2000,00000	mg/kg	-
inhalative	LC50	Rat	>	10,20000	mg/L	(4h)
dermal	LD50	Rat	>	2000,00000	mg/kg	-

Toxicological tests

67-63-0 propan-2-ol

oral	LD50	Rat	>=	5000,00000	mg/kg	-
inhalative	LC50	Rat		51,00000	mg/L	(4h)
dermal	LD50	Rabbit	>	1000,00000	mg/kg	-

Toxicological tests

64742-48-9 naphta (petroleum), hydrotreated heavy

oral	LD50	Rat	>	5000,00000	mg/kg	-
dermal	LD50	Rabbit	>	5000,00000	mg/kg	-

Acute toxicity

- In case of inhalation
- After swallowing
- In case of skin contact
- After eye contact

Practical experience

General remarks

SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicological effects

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

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

Ecotoxicological effects

67-63-0 propan-2-ol

LC50	Leuciscus idus			8400,00000	mg/L	(48h)
EC50	Chlorella vulgaris			275,00000	mg/L	(96h)
EC50	Daphnia magna (Big water flea)	>		10000,00000	mg/L	(48h)

Ecotoxicological effects

64742-48-9 naphta (petroleum), hydrotreated heavy

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LC50	fish	>	1000,00000	mg/L	(96h)
EC50	Daphnia magna (Big water flea)		1000,00000	mg/L	(48h)

Aquatic toxicity

Water Hazard Class 2

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

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

Completely emptied packages can be recycled.

Additional information

SECTION 14: Transport information

14.1 UN 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

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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
Contaminated packaging: Instructions	P207 - LP200
Contaminated packaging: Special provisions	PP87 - RR6 - L2
Special provisions for packing together	MP9
Portable tanks: Instructions	-
Portable tanks: Special provisions	-
Tank coding	-
Tunnel restriction	D
Remarks	
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
Contaminated packaging: Instructions	P207 - LP200
Contaminated packaging: 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 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
[g/L]

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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

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 [%]

~ 84 %

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.
	H225	Highly flammable liquid and vapour.
	H226	Flammable liquid and vapour.
	H229	Pressurised container: May burst if heated.
	H280	Contains gas under pressure; may explode if heated.
	H304	May be fatal if swallowed and enters airways.
	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