

SAFETY DATA SHEET

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

AEROSPRAY films (varnishes), mineral spirit containing

Article No.	50 4xx AEROSPRAY	Issue date:	03.03.21
Version	9 (02.03.21)	Page	1 / 11

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

1.1 Product identifier

Trade name
50 408 - AEROSPRAY matt film (varnish)
50 410 - AEROSPRAY neutral film (varnish)
50 412 - AEROSPRAY gloss film (varnish)

Name INCI

Name Ph. Eur.

REACH registration No.

UFI
50 408 - UFI: CSKG-G4MU-S00R-42G1
50 410 - UFI: EXKG-H40N-D00Q-FRN5
50 412 - UFI: 53MG-H4DF-000Q-SET9

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



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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. 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. P261 Avoid breathing spray. P271 Use only outdoors or in a well-ventilated area. 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.		
Hazard components for labelling			
Text for labelling (CLP)	Repeated exposure may cause skin dryness or cracking. (EUH066) Contains benzotriazole derivate, alkylmethacrylate. May produce an allergic reaction. (EUH208)		

2.3 Other hazards

SECTION 3: Composition / information on ingredients

3.1 Substances

Chemical characterisation

acrylic resin
white spirit
Alcohols
matting agents (50 408 / 50 410)
propellant (propane / butane)
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 < 50 %
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 2

naphtha (petroleum), hydrotreated light: 0 < 10 %
CAS: 64742-49-0
REACH: 01-2119473851-33
Aquatic Chronic 2; H411 / Asp. Tox. 1; H304 / -; EUH066
/ Flam. Liq. 2; H225 / STOT SE 3; H336 / Skin Irrit. 2;
H315

Substance 3

butan-1-ol: 2 < 3 %

Substance 4

ethanol: 0 < 2 %

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

CAS: 64-17-5
REACH: 01-2119457610-43-XXXX
Eye Irrit. 2; H319 / Flam. Liq. 2; H225

Substance 7

butane: 25 < 30 %
CAS: 106-97-8
REACH: 01-2119474691-32
Compr. Gas; H280 / Flam. Gas 1; H220

Substance 8

propane: 2,5 < 10 %
CAS: 74-98-6
REACH: 01-2119471330-49
Compr. Gas; H280 / Flam. Gas 1; H220

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.

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

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.

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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 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. Keep away from sources of ignition and heat. Protect from direct sunlight.

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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71-36-3 butan-1-ol

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

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

64-17-5 ethanol

DEU	WEL	200,000	mL/m ³	-
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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)
-----	----------	-----------	-------------------	----------------

106-97-8 butane

DEU	WEL	1,000,000	mL/m ³	-
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DEU	WEL	2,400,000	mg/m ³	4(II); DGF
-----	-----	-----------	-------------------	------------

74-98-6 propane

DEU	WEL	1,000,000	mL/m ³	-
-----	-----	-----------	-------------------	---

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, system	150,00000	mg/m ³
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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

71-36-3 butan-1-ol

DNEL worker	Long-term - inhalation, system	55,00000	mg/m ³
DNEL Consumer	Long-term - oral, systemic eff	3,12500	mg/kg bw/day
DNEL Consumer	Long-term - inhalation, system	310,00000	mg/m ³

DNEL overview

64-17-5 ethanol

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

PNEC overview

71-36-3 butan-1-ol

PNEC soil	0,01500	mg/kg
PNEC aquatic, freshwater	0,08200	mg/L
PNEC aquatic, marine water	0,00820	mg/L
PNEC soil, freshwater	0,17800	mg/kg
PNEC soil, marine water	0,01780	mg/kg
PNEC sewage treatment plant (S	2476,00000	mg/L

PNEC overview

64-17-5 ethanol

PNEC soil	0,63000	mg/kg
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/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

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Goggles

Body protection

Wash contaminated clothing prior to re-use.

General protection and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. After work, wash hands and face.

SECTION 9: Physical and chemical properties

9.1 information on basic physical and chemical properties

Form Aerosol
Colour colourless
Odour characteristic

	min	max	
Initial boiling point and boiling range			
Melting point/freezing point			
Flash point/flash point range	-60 °C	-60 °C	
Flammability			
Ignition temperature			
Auto-ignition temperature			
Explosion limits	0,6	8,5 Vol%	
Refraction index			
PH			
Viscosity			
Viscosity			
Vapour pressure		300 kPa	
Density		~ 0,71 g/ml	
Partition coefficient: n-octanol/water			

Danger of explosion

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

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	-

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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

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

106-97-8 butane

inhalative	LC50	Rat		658,00000	mg/L	(4h)
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Acute toxicity

No data available

In case of inhalation

May cause respiratory irritation.

After swallowing

No data available

In case of skin contact

No data available

After eye contact

Causes serious eye irritation.

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

71-36-3 butan-1-ol

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

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

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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 160504 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

Marine Pollutant - IMDG

Yes

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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 - SW22 - 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 [%]	0
Contents of VOC	

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[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

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 [%]

~ 87 %

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. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. 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. H411 Toxic to aquatic life with long lasting effects.
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Further information

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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