

SAFETY DATA SHEET

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

50 595 - Aerospray inkjet protection

Article No.
Version 3 (16.05.18)

Issue date: 17.05.18
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name 50 595 - Aerospray inkjet protection

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-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
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)

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.
STOT RE 2; H373 May cause damage to organs through prolonged or repeated exposure.
STOT SE 3; H335 May cause respiratory irritation.
STOT SE 3; H336 May cause drowsiness or dizziness.

2.2 Label elements

Labelling (CLP)



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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H373 May cause damage to organs through prolonged or repeated exposure.
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.
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.

2.3 Other hazards

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

SECTION 3: Composition / information on ingredients

3.1 Substances

Chemical characterisation

acrylic resin
White spirit
Alcohol
ketone
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: 50 - 60 %
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

butan-1-ol: 1,0 - 2,9 %
CAS: 71-36-3
REACH: 01-2119484630-38-xxxx
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 5

dimethyl ether: 20 - 30 %
CAS: 115-10-6
REACH: 01-2119472128-37
Compr. Gas; H280 / Flam. Gas 1; H220

Substance 2

acetone: 5,0 - 9,9 %
CAS: 67-64-1
REACH: 01-2119471330-49-xxxx
Eye Irrit. 2; H319 / Flam. Liq. 2; H225 / STOT SE 3; H336 / EUH066

Substance 4

naphtha (petroleum), hydrodesulphurized heavy: 1,0 - 4,9 %
CAS: 64742-82-1
REACH: 01-2119458049-33-xxxx
Aquatic Chronic 2; H411 / Asp. Tox. 1; H304 / Flam. Liq. 3; H226 / STOT RE 1; H372 / STOT SE 3; H336 / EUH066

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Additional information

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

Provide fresh air. Seek medical attention if problems persist.

In case of skin contact

Remove residues with soap and water. In case of skin irritation, consult a physician.

After eye contact

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 10 - 15 minutes. Seek medical attention if irritation persists.

After swallowing

Rinse mouth with water. Seek medical treatment in case of troubles.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

Caution if victim vomits: Risk of aspiration!

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

Use appropriate respiratory protection.

Additional information

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes, and clothing.

6.2 environmental precautions

Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up

Collect spilled material using paper towels and dispose.

Additional information

6.4 Reference to other sections

Dispose of waste according to applicable legislation.

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

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No special measures are required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers

Hints on joint storage

Storage class

Further details

Protect from frost and exposure to sun.

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	TRGS 900
-----	-----	--------	-------------------	----------

67-64-1 acetone

DEU	WEL	500,000	mL/m ³	-
DEU	WEL	1.200,000	mg/m ³	2 (I); DFG; EU

71-36-3 butan-1-ol

DEU	WEL	100,000	mL/m ³	1(I); DFG, Y
DEU	WEL	310,000	mg/m ³	1(I); DFG, Y

115-10-6 dimethyl ether

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

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 > 0,35 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.

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 Aerosol
Colour colourless
Odour weak aromatic

min max

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Initial boiling point and boiling range

Melting point/freezing point

Flash point/flash point range -41 °C -41 °C

Flammability

Ignition temperature

Auto-ignition temperature

Explosion limits 0,7 Vol% 18,6 Vol%

Refraction index

Partition coefficient: n-octanol/water

Danger of explosion

Vapour pressure 3800 hPa 20 °C

Density 0,79 g/ml 20 °C

PH value

Viscosity dynamic of

Viscosity dynamic up to

Viscosity kinematic of

Viscosity kinematic up to

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

Product is stable under normal storage conditions.

10.2 Chemical stability

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

Protect from frost and exposure to sun.

10.5 Incompatible materials

strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous vapours may form during fires.

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

oral	LD50	Rat	>	2000,000	mg/kg	-
dermal	LD50	Rat	>	2000,000	mg/kg	-

67-64-1 acetone

oral	LD50	Rat		5800,000	mg/kg	-
dermal	LD50	Rat		20000,000	mg/kg	-

71-36-3 butan-1-ol

oral	LD50	Rat		1000,000	mg/kg	-
inhalative	LC50	Rat	>	17,760	mg/l	(4h)
dermal	LD50	Rabbit	>	2000,000	mg/kg	-

64742-82-1 naphtha (petroleum), hydrodesulphurized heavy

oral	LD50	Rat	>	2000,000	mg/kg	-
dermal	LD50	Rat	>	2000,000	mg/kg	-

SECTION 11: Toxicological information

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11.1 Information on toxicological effects

Acute toxicity

No data available

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

64742-95-6	solvent naphtha (petroleum), light, aromatic	LC50	fish	>	10,000	mg/l	-
		LC50	Algae	>	10,000	mg/l	-
67-64-1	acetone	EC50	Algae		7200,000	mg/l	96h
71-36-3	butan-1-ol	EC50	Daphnia magna (Big water)		1328,000	mg/l	(48h)
		IC50:	Algae	>	500,000	mg/l	(72h)
64742-82-1	naphtha (petroleum), hydrodesulphurized heavy	LC50	fish	>	10,000	mg/l	-
		EC50	Algae	>	10,000	mg/l	-

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

No data available

Water Hazard Class

non hazardous to water

WGK catalog number

General information

12.2 Persistence and degradability

Further details

Product is partially biodegradable.

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

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General information

Ecotoxicological effects

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.

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

Marine Pollutant - ADN

14.6 Special precautions for user

Land transport

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

Inland waterway craft

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Hazard label
Limited quantities
Transport permitted
Equipment necessary
Ventilation
Remarks
EQ
Special provisions

Sea transport

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

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]
Further regulations, limitations and legal requirements

Germany

Storage class
Water Hazard Class non hazardous to water
WGK catalog number
Incident regulation
Information on working limitations
Further regulations, limitations and legal requirements

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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 [%]

~ 93 %

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)	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.
	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.
	H373 May cause 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

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter

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R.20 (Table of terms and abbreviations).

Reason of change

Additional information