

SAFETY DATA SHEET

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

50 585 - Acrylic varnish, glossy

Article No.	50 585	Issue date:	14.11.23
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name 50 585 - Acrylic varnish, glossy
REACH registration No. ---
UFI UFI: 1Y2H-24T4-000A-7GMF

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. Liq. 3; H226 Flammable liquid and vapour.
STOT SE 3; H335 May cause respiratory irritation.
STOT SE 3; H336 May cause drowsiness or dizziness.

2.2 Label elements

Labelling



Signal word Warning

Hazard statements

H226 Flammable liquid and vapour.
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.

P261 Avoid breathing vapours.

P273 Avoid release to the environment.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/or shower.

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

Text for labelling (CLP)

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

Contains Alkylmethacrylate. May produce an allergic reaction. (EUH208)

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical characterisation

acrylic resin

White spirit

Alcohol

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: 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 heavy: 25 - 50 %

CAS: 64742-48-9

REACH: 01-2119463258-33-xxx

Asp. Tox. 1; H304 / -; EUH066 / Flam. Liq. 3; H226 /

STOT SE 3; H336

Substance 3

butan-1-ol: 1,0 - 2,5 %

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

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).

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In case of inhalation

No special measures are required.

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.
Seek medical attention if irritation persists.

After swallowing

Caution if victim vomits: Risk of aspiration! Do NOT induce vomiting.
Rinse mouth with water. Let water be drunk in little sips (dilution effect).
If you feel unwell, seek medical advice.

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

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

No special measures are required.

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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers

Keep container tightly closed.

Hints on joint storage

Storage class

Further details

Protect from frost and exposure to sun.

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
-----	-----	--------	-------------------	------------

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

DEU	WEL	600,000	mg/m ³	DFG
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71-36-3 butan-1-ol

DEU	WEL	100,000	mL/m ³	-
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DEU	WEL	310,000	mg/m ³	1(I); DFG, Y
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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	12,50000	mg/kg bw/day
DNEL Consumer	Long-term - oral, systemic effects	7,50000	mg/kg bw/day
DNEL Consumer	Long-term - inhalation, systemic effects	32,00000	mg/m ³
DNEL Consumer	Long-term - dermal, systemic effects	7,50000	mg/kg bw/day

DNEL overview

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

DNEL worker	Long-term - inhalation, systemic effects	871,00000	mg/m ³
DNEL worker	Long-term - dermal, systemic effects	208,00000	mg/kg bw/day
DNEL Consumer	Long-term - oral, systemic effects	125,00000	mg/kg bw/day
DNEL Consumer	Long-term - inhalation, systemic effects	185,00000	mg/m ³
DNEL Consumer	Long-term - dermal, systemic effects	125,00000	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.

Particle filter device (EN 143) Use filter type A (= against vapours of organic substances)

Hand protection

Protective gloves

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

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	colourless, clear
Odour	white spirit

	min	max		
Melting point/freezing point	---	---		
Initial boiling point and boiling range	---	---		
Flammability	---	---		
Explosion limits	---	---		
Flash point/flash point range	6 °C	6 °C		
Ignition temperature	---	---		
PH	7	8	---	---
Viscosity	0 m ² /s	0 m ² /s	40 °C	---
Solubility	---	---	---	---
Partition coefficient: n-octanol/water	---	---		
Vapour pressure		0 kPa	---	---
Density and/or relative density		0,88 g/ml	20 °C	---
Relative vapour density	---	---	---	---

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Auto-ignition temperature	---	---	---
Refraction index	---	---	---

Danger of explosion ---

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

Product is stable under normal storage conditions.

10.2 Chemical stability

Product is stable under normal storage conditions.

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.

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

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

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

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

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

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		10,00000	mg/L	(96h)
EC50	Algae	>	10,00000	mg/L	(72h)
EC50	Daphnia magna (Big water		3,20000	mg/L	(48h)

Ecotoxicological effects

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

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

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

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No data available

12.6 Endocrine disrupting properties

12.7 Other adverse effects

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number

080111 Waste paint and varnish containing organic solvents or other dangerous substances

Recommendation

Package

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 or ID number

1263

14.2 UN proper shipping name

ADR, ADN Paint related material
IMDG, IATA PAINT RELATED MATERIAL

14.3 Transport hazard class(es)

ADR, ADN 3
IMDG 3
IATA 3

14.4 Packing group

III

14.5 Environmental hazards

Marine Pollutant - IMDG Yes
Marine Pollutant - ADN ---

14.6 Special precautions for user

Land transport (ADR/RID)

Code: ADR/RID F1
Kemmler-number 30
Hazard label ADR 3
Limited quantities 5L
Package: Instructions P001 - IBC03 - LP01 - R001
Package: Special Provisions PP1

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Special provisions for packing together	MP19
Portable tanks: Instructions	T2
Portable tanks: Special Provisions	TP1 - TP29
Tank coding	LGBF
Tunnel restriction	D/E
Remarks	---
EQ	E1
Special Provisions	163 - 367 - 650

Sea transport (IMDG)

EmS	F-E, S-E
Special Provisions	163 - 223 - 367 - 955
Limited quantities	5L
Package: Instructions	P001 - LP01
Package: Special Provisions	PP1
IBC: Instructions	IBC03
IBC: Provisions	-
Tank instructions IMO	-
Tank instructions UN	T2
Tank instructions Special Provisions	TP1 - TP29
Stowage and segregation	category A
Properties and observations	---
Remarks	---
EQ	E1

Air transport (IATA-DGR)

Hazard	Flammable Liquid
Passenger	355 (60L)
Passenger LQ	Y344 (10L)
Cargo	366 (220L)
ERG	3L
Remarks	---
EQ	E1
Special Provisioning	A192

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	0 g/L
[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	

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Switzerland

Contents of VOC [%]

72,25 %

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)

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H411 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

H372 Causes damage to organs through prolonged or repeated exposure.

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

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