

SAFETY DATA SHEET

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SAFETY DATA SHEET

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

50 044 - Universal varnish, satin-matt

Article No.	50 044	Issue date:	11.11.20
Version	8(09.11.20)	Page	1 / 11

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

1.1 Product identifier

Trade name 50 044 - Universal varnish, satin-matt
Name INCI
Name Ph. Eur.
REACH registration No.
UFI UFI: 7HKF-84DC-900K-CTCJ

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.
Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.
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 Danger

Hazard statements

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H319 Causes serious eye irritation.

SAFETY DATA SHEET

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

50 044 - Universal varnish, satin-matt

Article No.	50 044	Issue date:	11.11.20
Version	8(09.11.20)	Page	2/ 11

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.
P261 Avoid breathing vapours.
P273 Avoid release to the environment.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/..
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
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.

Hazard components for labelling

Text for labelling (CLP)

Repeated exposure may cause skin dryness or cracking. (EUH066)
Contains alkylmethacrylate. May produce an allergic reaction. (EUH208)

2.3 Other hazards

SECTION 3: Composition / information on ingredients

3.1 Substances

Chemical characterisation

White spirit
Alcohol
acrylic resin
matting agents

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 < 75 %
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

naphta (petroleum), hydrotreated heavy: 5 < 10 %
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 < 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

Substance 4

ethanol: 1 < 2,5 %
CAS: 64-17-5
REACH: 01-2119457610-43-XXXX
Eye Irrit. 2; H319 / Flam. Liq. 2; H225

SAFETY DATA SHEET

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

50 044 - Universal varnish, satin-matt

Article No.	50 044	Issue date:	11.11.20
Version	8(09.11.20)	Page	3/ 11

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. Do NOT induce vomiting. Immediately get medical attention.

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

SAFETY DATA SHEET

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

50 044 - Universal varnish, satin-matt

Article No. 50 044
Version

8(09.11.20)

Issue date: 11.11.20
Page 4/ 11

Advices on safe handling

Handle in accordance with good industrial hygiene and safety practice.

Precautions against fire and explosion

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	2(II); AGS
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64742-48-9 naphta (petroleum), hydrotreated heavy

DEU	WEL	300,000	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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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
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USA	PEL (US)	1.000,000	ppm	8h (long term)
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USA	PEL (US)	1.900,000	mg/m ³	8h (long term)
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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

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

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

SAFETY DATA SHEET

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

50 044 - Universal varnish, satin-matt

Article No. 50 044
Version

8(09.11.20)

Issue date: 11.11.20
Page 5/ 11

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

Biological limit values: overview

71-36-3 butan-1-ol

urine	end of exposure or end of shift	10,00000	mg/g	-
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 > 0,35 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/EEC 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

SAFETY DATA SHEET

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

50 044 - Universal varnish, satin-matt

Article No. 50 044 Issue date: 11.11.20
Version 8(09.11.20) Page 6/ 11

Colour translucent, cloudy
Odour white spirit

	min	max	
Initial boiling point and boiling range			
Melting point/freezing point			
Flash point/flash point range	~ 35 °C		
Flammability			
Ignition temperature			
Auto-ignition temperature			
Explosion limits			
Refraction index			
PH			
Viscosity			
Viscosity	9 mm ² /s	11 mm ² /s	40 °C
Vapour pressure			
Density		0,89 g/ml	20 °C
Partition coefficient: n-octanol/water			

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

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 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

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	-
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SAFETY DATA SHEET

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

50 044 - Universal varnish, satin-matt

Article No. **50 044** Issue date: **11.11.20**
Version **8 (09.11.20)** Page **7 / 11**

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	-

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

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

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

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

Aquatic toxicity

No data available

Water Hazard Class

2

SAFETY DATA SHEET

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

50 044 - Universal varnish, satin-matt

Article No.	50 044	Issue date:	11.11.20
Version	8(09.11.20)	Page	8 / 11

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

General information

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

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

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

SAFETY DATA SHEET

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

50 044 - Universal varnish, satin-matt

Article No.	50 044	Issue date:	11.11.20
Version	8(09.11.20)	Page	9/ 11

Kemmler-number	30
Hazard label ADR	3
Limited quantities	5L
Contaminated packaging: Instructions	P001 - IBC03 - LP01 - R001
Contaminated packaging: Special provisions	PP1
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
Contaminated packaging: Instructions	P001 - LP01
Contaminated packaging: 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 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
WGK catalog number
Incident regulation

SAFETY DATA SHEET

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

50 044 - Universal varnish, satin-matt

Article No.	50 044	Issue date:	11.11.20
Version	8(09.11.20)	Page	10/ 11

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 [%]

~ 85 %

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)	H225	Highly flammable liquid and vapour.
	H226	Flammable liquid and vapour.
	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.
	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

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

Article No.		Issue date:	11.11.20
Version	8(09.11.20)	Page	11/ 11
