

# SAFETY DATA SHEET

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

## 50 066 - Retouching varnish

Article No.	50 066	Issue date:	11.11.20
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name 50 066 - Retouching varnish  
Name INCI  
Name Ph. Eur.  
REACH registration No.  
UFI UFI: PDNF-D4K3-100G-WA5Y

#### 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.

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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.  
P243 Take action to prevent static discharges.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing and eye/face protection.  
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)

## 2.3 Other hazards

## SECTION 3: Composition / information on ingredients

### 3.1 Substances

#### Chemical characterisation

White spirit  
Alcohol  
acrylic resin  
aldehyde resin  
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: 70 - 80 %  
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: 2,5 - 5,0 %  
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

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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

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### 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 <sup>3</sup>	2(II); AGS
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64742-48-9 naphta (petroleum), hydrotreated heavy

DEU	WEL	300,000	mg/m <sup>3</sup>	DFG
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71-36-3 butan-1-ol

DEU	WEL	100,000	mL/m <sup>3</sup>	-
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DEU	WEL	310,000	mg/m <sup>3</sup>	1(I); DFG, Y
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### DNEL overview

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

DNEL worker	Long-term - inhalation, system	150,00000	mg/m <sup>3</sup>
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 <sup>3</sup>
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 <sup>3</sup>
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 <sup>3</sup>
DNEL Consumer	Long-term - oral, systemic eff	3,12500	mg/kg bw/day
DNEL Consumer	Long-term - inhalation, system	310,00000	mg/m <sup>3</sup>

### 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

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### 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.  
Particle filter device (DIN EN 143) 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 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	clear
Odour	white spirit

	min	max	
Initial boiling point and boiling range			
Melting point/freezing point			
Flash point/flash point range	42 °C	47 °C	
Flammability			
Ignition temperature			
Auto-ignition temperature			
Explosion limits			
Refraction index			
PH			
Viscosity			
Viscosity	8 mm <sup>2</sup> /s	9 mm <sup>2</sup> /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

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### 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	-
inhalative	LC50	Rat	>	17,76000	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)

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EC50	Daphnia magna (Big water flea)		3,20000	mg/L	(48h)
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### Ecotoxicological effects

64742-48-9 naphta (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)

### Aquatic toxicity

No data available

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

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.

#### Additional information

## SECTION 14: Transport information

### 14.1 UN number

1263

### 14.2 UN proper shipping name

ADR, ADN Paint related material

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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
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



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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 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 [%]

~ 80 %

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)	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.
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H332 Harmful if inhaled.  
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