

# SAFETY DATA SHEET

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

## AEROSPRAY universal varnishes

Article No.  
Version

7 ( 16.04.18 )

Issue date: 16.04.18  
Page 1 / 10

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

#### 1.1 Product identifier

Trade name  
50 590 - AEROSPRAY universal varnish, glossy  
50 592 - AEROSPRAY universal varnish, satin-matt  
50 594 - AEROSPRAY universal varnish, matt

#### 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.

# SAFETY DATA SHEET

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

## AEROSPRAY universal varnishes

|             |                |             |          |
|-------------|----------------|-------------|----------|
| Article No. |                | Issue date: | 16.04.18 |
| Version     | 7 ( 16.04.18 ) | Page        | 2 / 10   |

H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
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.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 Call a POISON CENTER if you feel unwell.  
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)  
Contains benzotriazole derivate, alkylmethacrylate. May produce an allergic reaction. (EUH208)

## SECTION 3: Composition / information on ingredients

### 3.1 Substances

#### Chemical characterisation

acrylic resin  
white spirit  
Alcohols  
matting agents (50 592 / 50 594)  
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 / Flam. Liq. 3; H226 / STOT SE 3; H335 / STOT SE 3; H336 / EUH066

#### Substance 3

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

#### Substance 5

#### Substance 2

naphtha (petroleum), hydrodesulphurized heavy: 3 - < 10 %  
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

#### Substance 4

butan-1-ol: 1,0 - 2,5 %  
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 6

# SAFETY DATA SHEET

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

## AEROSPRAY universal varnishes

|                    |                       |                    |                 |
|--------------------|-----------------------|--------------------|-----------------|
| <b>Article No.</b> |                       | <b>Issue date:</b> | <b>16.04.18</b> |
| <b>Version</b>     | <b>7 ( 16.04.18 )</b> | <b>Page</b>        | <b>3 / 10</b>   |

ethanol: 0 - < 2 %  
CAS: 64-17-5  
REACH: 01-2119457610-43-XXXX  
Eye Irrit. 2; H319 / Flam. Liq. 2; H225

derivate of Benzotriazol: 0,1 - < 1,0 %  
CAS: 104810-47-1  
Aquatic Chronic 2; H411 / Skin Sens. 1; H317

### Substance 7

alkylmethacrylate: 0,1 - < 1,0 %  
CAS: 97-88-1  
Eye Irrit. 2; H319 / Flam. Liq. 3; H226 / STOT SE 3;  
H335 / Skin Irrit. 2; H315 / Skin Sens. 1; H317

### Substance 8

butane: 20 - 30 %  
CAS: 106-97-8  
REACH: 01-2119474691-32  
Compr. Gas; H280 / Flam. Gas 1; H220

### Substance 9

propane: 1 - 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 fog

#### 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.

### 6.3 Methods and material for containment and cleaning up

# SAFETY DATA SHEET

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

## AEROSPRAY universal varnishes

Article No.  
Version 7 ( 16.04.18 )

Issue date: 16.04.18  
Page 4 / 10

### 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 <sup>3</sup> | TRGS 900 |
|-----|-----|--------|-------------------|----------|

71-36-3 butan-1-ol

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

64-17-5 ethanol

|     |          |           |                   |                |
|-----|----------|-----------|-------------------|----------------|
| DEU | WEL      | 500,000   | mL/m <sup>3</sup> | -              |
| DEU | WEL      | 960,000   | mg/m <sup>3</sup> | 2(II); DGF; Y  |
| USA | PEL (US) | 1.000,000 | ppm               | 8h (long term) |
| USA | PEL (US) | 1.900,000 | mg/m <sup>3</sup> | 8h (long term) |

106-97-8 butane

|     |     |           |                   |            |
|-----|-----|-----------|-------------------|------------|
| DEU | WEL | 1.000,000 | mL/m <sup>3</sup> | -          |
| DEU | WEL | 2.400,000 | mg/m <sup>3</sup> | 4(II); DGF |

74-98-6 propane

|     |     |           |                   |            |
|-----|-----|-----------|-------------------|------------|
| DEU | WEL | 1.000,000 | mL/m <sup>3</sup> | -          |
| DEU | WEL | 1.800,000 | mg/m <sup>3</sup> | 4(II); DFG |

### 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

# SAFETY DATA SHEET

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

## AEROSPRAY universal varnishes

|             |                |             |          |
|-------------|----------------|-------------|----------|
| Article No. |                | Issue date: | 16.04.18 |
| Version     | 7 ( 16.04.18 ) | Page        | 5 / 10   |

Breakthrough time > 480 min

Ultranitрил 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

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                        |        |          |

Partition coefficient: n-octanol/water

Danger of explosion

|                 |             |
|-----------------|-------------|
| Vapour pressure | 300 kPa     |
| Density         | ~ 0,71 g/ml |

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

### 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

# SAFETY DATA SHEET

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

## AEROSPRAY universal varnishes

Article No.

7 ( 16.04.18 )

Issue date:

16.04.18

Version

Page

6 / 10

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

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

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 | -    |

64-17-5 ethanol

|            |      |        |   |           |       |    |
|------------|------|--------|---|-----------|-------|----|
| oral       | LD50 | Rat    |   | 5000,000  | mg/kg | -  |
| inhalative | LC50 | Rat    | > | 1800,000  | mg/l  | 4h |
| dermal     | LD50 | Rabbit | > | 10000,000 | mg/kg | -  |

97-88-1 alkylmethacrylate

|        |      |        |   |           |       |   |
|--------|------|--------|---|-----------|-------|---|
| oral   | LD50 | Rat    |   | 16000,000 | mg/kg | - |
| dermal | LD50 | Rabbit | > | 10100,000 | mg/kg | - |

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### 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

### Toxicological tests

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

|      |       |   |        |      |   |
|------|-------|---|--------|------|---|
| LC50 | fish  | > | 10,000 | mg/l | - |
| LC50 | Algae | > | 10,000 | mg/l | - |

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

|      |       |   |        |      |   |
|------|-------|---|--------|------|---|
| LC50 | fish  | > | 10,000 | mg/l | - |
| EC50 | Algae | > | 10,000 | mg/l | - |

71-36-3 butan-1-ol

|       |                           |   |          |      |       |
|-------|---------------------------|---|----------|------|-------|
| EC50  | Daphnia magna (Big water) |   | 1328,000 | mg/l | (48h) |
| IC50: | Algae                     | > | 500,000  | mg/l | (72h) |

# SAFETY DATA SHEET

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

## AEROSPRAY universal varnishes

Article No. **64-17-5**      ethanol      Issue date: **16.04.18**  
Version **7 ( 16.04.18 )**      Page **7 / 10**

|      |               |   |           |      |     |
|------|---------------|---|-----------|------|-----|
| LC50 | fish          |   | 8150,000  | mg/l | 48h |
| EC50 | Daphnia magna | > | 14221,000 | mg/l | 48h |

### SECTION 12: Ecological information

#### 12.1 Toxicity

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

#### 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  
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

# SAFETY DATA SHEET

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

## AEROSPRAY universal varnishes

|             |                |             |          |
|-------------|----------------|-------------|----------|
| Article No. |                | Issue date: | 16.04.18 |
| Version     | 7 ( 16.04.18 ) | Page        | 8 / 10   |

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

|                     |  |
|---------------------|--|
| 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<br>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)   |



# SAFETY DATA SHEET

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

## AEROSPRAY universal varnishes

|             |                |             |          |
|-------------|----------------|-------------|----------|
| Article No. |                | Issue date: | 16.04.18 |
| Version     | 7 ( 16.04.18 ) | Page        | 9 / 10   |

|                      |                    |
|----------------------|--------------------|
| ERG                  | 10L                |
| Remarks              |                    |
| EQ                   |                    |
| 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 [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

##### 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

# SAFETY DATA SHEET

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

## AEROSPRAY universal varnishes

|                    |                       |                    |                 |
|--------------------|-----------------------|--------------------|-----------------|
| <b>Article No.</b> |                       | <b>Issue date:</b> | <b>16.04.18</b> |
| <b>Version</b>     | <b>7 ( 16.04.18 )</b> | <b>Page</b>        | <b>10 / 10</b>  |

### 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.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
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 a 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