

# SAFETY DATA SHEET

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

## 50 404 - AEROSPRAY B72

Article No. 50404  
Version 1.1 ( 09.12.20 )

Issue date: 09.12.20  
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name 50 404 - AEROSPRAY B72  
Name INCI  
Name Ph. Eur.  
REACH registration No.  
UFI

#### 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)

Eye Irrit. 2; H319 Causes serious eye irritation.  
Flam. Aerosol 1; H222 Extremely flammable aerosol.  
Flam. Aerosol 1; H229 Pressurised container: May burst if heated.  
STOT SE 3; H336 May cause drowsiness or dizziness.

#### 2.2 Label elements

##### Labelling



**Signal word** Danger

##### Hazard statements

H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

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### 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.  
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.  
P260 Do not breathe spray.  
P271 Use only outdoors or in a well-ventilated area.  
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)

## 2.3 Other hazards

## SECTION 3: Composition / information on ingredients

### 3.1 Substances

#### Chemical characterisation

acrylic resin  
Alcohols  
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

propan-2-ol: 20 - 30 %  
CAS: 67-63-0  
REACH: 01-2119457558-25  
Eye Irrit. 2; H319 / Flam. Liq. 2; H225 / STOT SE 3;  
H336

#### Substance 3

dimethoxymethane: 10 - 20 %  
CAS: 109-87-5  
REACH: 01-2119664781-31  
Flam. Liq. 2; H225

#### Substance 5

propane / butane: < 20 %  
CAS: 74-98-6 / 106-97-8  
REACH: 01-2119471330-49 / 01-2119474691-32  
Compr. Gas; H280 / Flam. Gas 1; H220

#### Substance 2

1-methoxy-2-propanol: 5 - 10 %  
CAS: 107-98-2  
REACH: 01-2119457435-35-xxxx  
Flam. Liq. 3; H226 / STOT SE 3; H336

#### Substance 4

4-hydroxy-4-methylpentan-2-one: 5 - 10 %  
CAS: 123-42-2  
REACH: 01-2119473975-21-XXXX  
Eye Irrit. 2; H319 / Flam. Liq. 3; H226 / STOT SE 3;  
H335

#### Substance 6

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

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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

### 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. Provide adequate ventilation.

##### 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

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn,

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even after use. Do not spray on naked flames or any incandescent material.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements for storerooms and containers

Keep in a cool, well-ventilated place.

#### 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

67-63-0 propan-2-ol

DEU	WEL	200,000	mL/m <sup>3</sup>	-
DEU	WEL	380,000	mg/m <sup>3</sup>	4 (II); DFG; Y

107-98-2 1-methoxy-2-propanol

DEU	WEL	100,000	ppm	-
DEU	WEL	370,000	mg/m <sup>3</sup>	2 (I); DFG; EU; Y

109-87-5 dimethoxymethane

DEU	WEL	300,000	mL/m <sup>3</sup>	-
DEU	WEL	960,000	mg/m <sup>3</sup>	2 (II); AGS; Y

123-42-2 4-hydroxy-4-methylpentan-2-one

CAN	not required	50,000	mL/m <sup>3</sup>	(8h)
CHE	not required	20,000	mL/m <sup>3</sup>	(8h)
DEU	WEL	20,000	mL/m <sup>3</sup>	-
DEU	WEL	96,000	mg/dm <sup>3</sup>	2 (I); DFG, H

### 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: Butyl caoutchouc (butyl rubber)

Layer thickness > 0,5 mm

Breakthrough time > 480 min

Butoflex 650 - MAPA GmbH, Industriestraße 21- 25, D-27404 Zeven, Internet: [www.mapa-pro.de](http://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. 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

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### 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	
Flammability			
Ignition temperature	235 °C	235 °C	
Auto-ignition temperature			
Explosion limits	1,5	18,6 Vol%	
Refraction index			
PH			
Viscosity			
Viscosity			
Vapour pressure		4100 hPa	20 °C
Density		0,72 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

#### 10.6 Hazardous decomposition products

Hazardous vapours may form during fires.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Toxicological tests

67-63-0 propan-2-ol

Route	Test	Species	Symbol	Value	Unit	Notes
oral	LD50	Rat	>=	5000,00000	mg/kg	-
inhalative	LC50	Rat		51,00000	mg/L	(4h)
dermal	LD50	Rabbit	>	1000,00000	mg/kg	-

#### Toxicological tests

107-98-2 1-methoxy-2-propanol

Route	Test	Species	Symbol	Value	Unit	Notes
oral	LD50	Rat		4016,00000	mg/kg	-
dermal	LD50	Rat		2000,00000	mg/kg	-

#### Toxicological tests

123-42-2 4-hydroxy-4-methylpentan-2-one

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oral	LD50	Rat	>	2000,00000	mg/kg	-
dermal	LD50	Rabbit	>	5000,00000	U/mg	-

### 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

67-63-0 propan-2-ol

LC50	Leuciscus idus			8400,00000	mg/L	(48h)
EC50	Chlorella vulgaris			275,00000	mg/L	(96h)
EC50	Daphnia magna (Big water flea)	>		10000,00000	mg/L	(48h)

#### Ecotoxicological effects

107-98-2 1-methoxy-2-propanol

LC50	fish	>		4000,00000	mg/L	(96h)
EC50	Daphnia magna (Big water flea)			23300,00000	mg/L	(48h)

#### Ecotoxicological effects

123-42-2 4-hydroxy-4-methylpentan-2-one

LC50	fish	>		100,00000	mg/L	(96h)
EC50	Algae	>		100,00000	mg/L	(72h)
EC50	Daphnia magna (Big water flea)	>		100,00000	mg/L	(48h)

### Aquatic toxicity

No data available

### Water Hazard Class

1

### 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 Other adverse effects

General information

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste key number  
160504      160504\* Gases in pressure containers (including halons) containing 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

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      No  
Marine Pollutant - ADN

### 14.6 Special precautions for user

#### Land transport (ADR/RID)

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

#### Sea transport (IMDG)

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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 (IATA-DGR)

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 1  
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



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### Switzerland

**Contents of VOC [%]**

~ 98,8 %

**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

<b>Hazard statements (CLP)</b>	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. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness.
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### **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**

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.