

50 404 - Fixative B72

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name 50 404 - Fixative B72
REACH registration No. ---
UFI UFI: Q6XO-MFGQ-G102-1HCP

1.2 Relevant identified uses of the substance or mixture and uses advised against**General use**

Products for the artistic design of load-bearing and solid substrates.

Uses advised against

Applications other than "General use"

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)**

Eye Irrit. 2; H319 Causes serious eye irritation.
Flam. Liq. 2; H225 Highly flammable liquid and vapour.
STOT SE 3; H336 May cause drowsiness or dizziness.

2.2 Label elements**Labelling**

Signal word Danger

Hazard statements

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Safety precautions

P102 Keep out of reach of children.

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P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing vapours.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards

SECTION 3: Composition/information on ingredients**3.1 Substances****Chemical characterisation**

acrylic resin
Alcohols
ketone
UV-protection

CAS-Number ---
EINECS / ELINCS / NLP ---
REACH registration No. ---
CI-Number ---

3.2 Mixtures**Substance 1**

1-methoxy-2-propanol: 25 < 50 %
CAS: 107-98-2
REACH: 01-2119457435-35
Flam. Liq. 3; H226 / STOT SE 3; H336

Substance 3

butanone: 2,5 < 5 %
CAS: 78-93-3

Eye Irrit. 2; H319 / Flam. Liq. 2; H225 / STOT SE 3;
H336

Substance 5

EO bis(benzotriazolyl)phenylpropionat: 0,1 - 0,5 %
CAS: 104810-47-1
Aquatic Chronic 2; H411 / Skin Sens. 1A; H317

Substance 2

ethanol: 25 < 50 %
CAS: 64-17-5
REACH: 01-2119457610-43
Eye Irrit. 2; H319 / Flam. Liq. 2; H225

Substance 4

acetone: 2 < 3 %
CAS: 67-64-1
REACH: 01-2119471330-49

Eye Irrit. 2; H319 / Flam. Liq. 2; H225 / STOT SE 3;
H336

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

No special measures are required.

In case of skin contact

Thoroughly wash skin with soap and water.

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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

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.

7.2 Conditions for safe storage, including any incompatibilities**Requirements for storerooms and containers**

Keep container tightly closed.

Hints on joint storage

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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

DNEL overview

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

DNEL worker	Long-term - inhalation, systemic effects	369,00000	mg/m³
DNEL worker	Long-term - dermal, systemic effects	50,60000	mg/kg
DNEL worker	Acute - inhalation, local effects	553,50000	mg/m³
DNEL Consumer	Long-term - oral, systemic effects	33,00000	mg/kg bw/day
DNEL Consumer	Long-term - inhalation, local effects	43,90000	mg/m³
DNEL Consumer	Long-term - dermal, systemic effects	78,00000	mg/kg

DNEL overview

64-17-5 ethanol

DNEL worker	Long-term - inhalation, systemic effects	950,00000	mg/m³
DNEL worker	Long-term - dermal, systemic effects	343,00000	mg/kg
DNEL Consumer	Long-term - oral, systemic effects	87,00000	mg/kg
DNEL Consumer	Long-term - inhalation, systemic effects	114,00000	mg/m³
DNEL Consumer	Long-term - dermal, systemic effects	206,00000	mg/kg

DNEL overview

67-64-1 acetone

DNEL worker	Long-term - inhalation, systemic effects	1210,00000	mg/m³
DNEL worker	Long-term - dermal, systemic effects	186,00000	mg/kg bw/day
DNEL worker	Acute - inhalation, local effects	2420,00000	mg/m³
DNEL Consumer	Long-term - oral, systemic effects	62,00000	mg/kg bw/day
DNEL Consumer	Long-term - inhalation, systemic effects	200,00000	mg/m³
DNEL Consumer	Long-term - dermal, systemic effects	62,00000	mg/kg bw/day

DNEL overview

104810-47-1 EO bis(benztriazolyl)phenylpropionat

DNEL worker	Long-term - inhalation, systemic effects	0,35000	mg/m³
DNEL worker	Long-term - dermal, systemic effects	0,50000	mg/kg
DNEL Consumer	Long-term - oral, systemic effects	0,02500	mg/kg
DNEL Consumer	Long-term - inhalation, systemic effects	0,08500	mg/m³
DNEL Consumer	Long-term - dermal, systemic effects	0,25000	mg/kg

PNEC overview

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

PNEC soil	4,59000	mg/kg
PNEC aquatic, freshwater	10,00000	mg/L
PNEC aquatic, marine water	1,00000	mg/L
PNEC soil, freshwater	52,30000	mg/kg
PNEC soil, marine water	5,20000	mg/kg

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PNEC sewage treatment plant (STP)	100,00000	mg/L
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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 (STP)	580,00000	mg/L

PNEC overview

67-64-1 acetone

PNEC soil	29,50000	mg/kg
PNEC aquatic, freshwater	10,60000	mg/L
PNEC aquatic, marine water	1,06000	mg/L
PNEC soil, freshwater	30,40000	mg/kg
PNEC soil, marine water	3,04000	mg/kg
PNEC sewage treatment plant (STP)	100,00000	mg/L

PNEC overview

104810-47-1 EO bis(benzotriazolyl)phenylpropionat

PNEC soil	2,00000	mg/kg
PNEC aquatic, freshwater	0,00230	mg/L
PNEC aquatic, marine water	0,00023	mg/L
PNEC soil, freshwater	3,06000	mg/kg
PNEC soil, marine water	0,30600	mg/kg

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/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**

Item Numbers: 03573-0103

Form liquid

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Colour clear
Odour weak sweetish

	min	max		
Melting point/freezing point	---	---		
Initial boiling point and boiling range	---	---		
Flammability			---	
Explosion limits	---	---		
Flash point/flash point range	15 °C	15 °C		
Ignition temperature	---	---		
PH	---	---	---	---
Viscosity	---	---	---	---
Viscosity	11 mm ² /s	12 mm ² /s	40 °C	---
Solubility		---	---	---
Partition coefficient: n-octanol/water		---		
Vapour pressure		---	---	---
Density and/or relative density		0,88 g/ml	20 °C	---
Relative vapour density	---	---	---	---
Auto-ignition temperature	---	---	---	---
Refraction index	---	---	---	---
---	---	---		

Danger of explosion ---
particle characteristics ---

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**

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

Item Numbers: 03573-0103	oral	LD50	Rat		4016,00000	mg/kg	Page 6 of 11
	inhalative	LC50	Rat	>	25,80000	mg/L	(6h)

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dermal	LD50	Rabbit	>	2000,00000	mg/kg	-
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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	-

Toxicological tests

78-93-3 butanone

oral	LD50	Rat		2740,00000	mg/kg	-
dermal	LD50	Rabbit		6480,00000	mg/kg	-

Toxicological tests

67-64-1 acetone

oral	LD50	Rat		5800,00000	mg/kg	-
inhalative	LC50	Rat	>	76,00000	mg/L	(4h)
dermal	LD50	Rabbit		7400,00000	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

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

Sensibilisation: Respiratory system

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

Sensibilisation: Skin

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

Specific target organ toxicity

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

Repeated dose toxicity

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

Carcinogenic, germ cell mutagen and reproduction effects

Practical experience

General remarks

11.2 Information on other hazards

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SECTION 12: Ecological information

12.1 Toxicity**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

Ecotoxicological effects

78-93-3 butanone

LC50	fish		3220,00000	mg/L	(96h)
EC50	Daphnia magna (Big water)		5090,00000	mg/L	(48h)

Ecotoxicological effects

67-64-1 acetone

LC50	Oncorhynchus mykiss	>	5540,00000	mg/L	(96h)
EC50	Selenastrum capricornutum	>	7500,00000	mg/L	(96h)
EC50	Daphnia magna (Big water)	>	8800,00000	mg/L	(48h)

Ecotoxicological effects

104810-47-1 EO bis(benztriazolyl)phenylpropionat

LC50	Oncorhynchus mykiss		2,80000	mg/L	(96h)
EC50	Daphnia magna (Big water)		4,00000	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

No data available

12.6 Endocrine disrupting properties

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12.7 Other adverse effects

SECTION 13: Disposal considerations

13.1 Waste treatment methods**Product**

Waste key number 080111 080111* waste paint and varnish containing organic solvents or other dangerous substances

Recommendation

Dispose of waste according to applicable legislation. Do not allow to enter into surface water or drains.

Package

Waste key number

Recommendation

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

Additional information

<https://www.schmincke.de/en/know-how/good-to-know/disposing-of-washing-water-colour-medium-remains>

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 No
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
Special provisions for packing together MP19
Portable tanks: Instructions T2
Portable tanks: Special Provisions TP1 - TP29
Tank coding LGBF

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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 [%] 89,5
Contents of VOC ---
[g/L]
Further regulations, limitations and legal requirements

Germany

Storage class LK 3
Water Hazard Class 1
WGK catalog number ---
Incident regulation ---
Information on working limitations

Further regulations, limitations and legal requirements

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Switzerland

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Contents of VOC [%]

89,5

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.
H317 May cause an allergic skin reaction.
H319 Causes serious eye 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

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).

Additional information
