

SAFETY DATA SHEET

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

50 068 - Fixative for pastels

Article No.	50068	Issue date:	08.12.20
Version	7 (08.12.20)	Page	1 / 10

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

1.1 Product identifier

Trade name 50 068 - Fixative for pastels
Name INCI
Name Ph. Eur.
REACH registration No.
UFI UFI: FKNF-D4XV-N00G-70C3

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. 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.

SAFETY DATA SHEET

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

50 068 - Fixative for pastels

Article No.	50068	Issue date:	08.12.20
Version	7 (08.12.20)	Page	2 / 10

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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

Alcohols
Polyvinyl 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

propan-2-ol: 50 - 60 %
CAS: 67-63-0
REACH: 01-2119457558-25
Eye Irrit. 2; H319 / Flam. Liq. 2; H225 / STOT SE 3;
H336

Substance 2

ethanol: 20 - 30 %
CAS: 64-17-5
REACH: 01-2119457610-43-XXXX
Eye Irrit. 2; H319 / Flam. Liq. 2; H225

Substance 3

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

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 -

SAFETY DATA SHEET

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

50 068 - Fixative for pastels

Article No.	50068	Issue date:	08.12.20
Version	7 (08.12.20)	Page	3 / 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

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

SAFETY DATA SHEET

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

50 068 - Fixative for pastels

Article No. **50068**
Version

7 (08.12.20)

Issue date: **08.12.20**
Page **4 / 10**

64-17-5 ethanol

DEU	WEL	200,000	mL/m ³	-
DEU	WEL	380,000	mg/m ³	2(II); DGF; Y
USA	PEL (US)	1.000,000	ppm	8h (long term)
USA	PEL (US)	1.900,000	mg/m ³	8h (long term)

67-63-0 propan-2-ol

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

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

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

DNEL overview

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

DNEL overview

67-63-0 propan-2-ol

DNEL worker	Long-term - inhalation, system	950,00000	mg/m ³
DNEL worker	Long-term - dermal, systemic e	343,00000	mg/kg bw/day
DNEL Consumer	Long-term - oral, systemic eff	87,00000	mg/kg bw/day
DNEL Consumer	Long-term - inhalation, system	114,00000	mg/m ³
DNEL Consumer	Long-term - dermal, systemic e	206,00000	mg/kg bw/day

DNEL overview

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

oral	DNEL Consumer	1,67000	mg/kg
inhalative	DNEL worker	32,60000	mg/m ³
inhalative	DNEL worker	240,00000	mg/m ³
inhalative	DNEL Consumer	5,80000	mg/m ³
dermal	DNEL worker	467,00000	mg/kg
dermal	DNEL Consumer	167,00000	mg/kg
DNEL worker	Long-term - dermal, systemic e	0,00000	

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

SAFETY DATA SHEET

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

50 068 - Fixative for pastels

Article No. 50068
Version

7 (08.12.20)

Issue date: 08.12.20
Page 5/ 10

PNEC overview

67-63-0 propan-2-ol

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

PNEC overview

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

not required	0,63000	mg/kg
not required	2,00000	mg/L
not required	0,20000	mg/L
not required	9,06000	mg/kg
not required	0,90600	mg/kg
not required	10,00000	mg/L

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: Butyl caoutchouc (butyl rubber)
Layer thickness > 0,50 mm

Breakthrough time > 480 min

Butoflex 650 - 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 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

9.1 information on basic physical and chemical properties

Form liquid
Colour clear
Odour alcoholic

	min	max
Initial boiling point and boiling range		
Melting point/freezing point		
Flash point/flash point range	12 °C	13 °C
Flammability		
Ignition temperature		
Auto-ignition temperature		
Explosion limits		

SAFETY DATA SHEET

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

50 068 - Fixative for pastels

Article No. 50068 Issue date: 08.12.20
Version 7 (08.12.20) Page 6/ 10

Refraction index

PH

Viscosity

Viscosity

8 mm²/s

9 mm²/s

40 °C

Vapour pressure

Density

Partition coefficient: n-octanol/water

29 kPa

0,82 g/ml

20 °C

20 °C

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

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

67-63-0

propan-2-ol

oral	LD50	Rat	>=	5000,00000	mg/kg	-
inhalative	LC50	Rat		51,00000	mg/L	(4h)
dermal	LD50	Rabbit	>	1000,00000	mg/kg	-

Toxicological tests

123-42-2

4-hydroxy-4-methylpentan-2-one

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

SAFETY DATA SHEET

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

50 068 - Fixative for pastels

Article No.	50068	Issue date:	08.12.20
Version	7 (08.12.20)	Page	7 / 10

No data available

After eye contact

No data available

Practical experience

General remarks

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

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

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

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 Other adverse effects

General information

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

SAFETY DATA SHEET

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

50 068 - Fixative for pastels

Article No.	50068	Issue date:	08.12.20
Version	7 (08.12.20)	Page	8 / 10

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

1170

14.2 UN proper shipping name

ADR, ADN ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

IMDG, IATA ETHANOL SOLUTION

14.3 Transport hazard class(es)

ADR, ADN 3

IMDG 3

IATA 3

14.4 Packing group

II

14.5 Environmental hazards

Marine Pollutant - IMDG No

Marine Pollutant - ADN No

14.6 Special precautions for user

Land transport (ADR/RID)

Code: ADR/RID	F1
Kemmler-number	33
Hazard label ADR	3
Limited quantities	1L
Contaminated packaging: Instructions	P001 - IBC02 - R001
Contaminated packaging: Special provisions	-
Special provisions for packing together	MP19
Portable tanks: Instructions	T4
Portable tanks: Special provisions	TP1
Tank coding	LGBF
Tunnel restriction	D/E
Remarks	
EQ	E2
Special provisions	144 - 601

Sea transport (IMDG)

EmS	F-E, S-D
Special provisions	144
Limited quantities	1L
Contaminated packaging: Instructions	P001
Contaminated packaging: Special provisions	-
IBC: Instructions	IBC02
IBC: Provisions	-
Tank instructions IMO	-
Tank instructions UN	T4
Tank instructions Special provisions	TP1
Stowage and segregation	category A

SAFETY DATA SHEET

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

50 068 - Fixative for pastels

Article No.	50068	Issue date:	08.12.20
Version	7 (08.12.20)	Page	9 / 10

Properties and observations

Remarks

EQ E2

Air transport (IATA-DGR)

Hazard	Flammable Liquid
Passenger	353 (5L)
Passenger LQ	Y341 (1L)
Cargo	364 (60L)
ERG	3L
Remarks	
EQ	E2
Special Provisioning	A3

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

Switzerland

Contents of VOC [%]

ca. 97 %

Further regulations, limitations and legal requirements

USA

Further regulations, limitations and legal requirements

Federal Regulations

State Regulations

Canada

SAFETY DATA SHEET

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

50 068 - Fixative for pastels

Article No.	50068	Issue date:	08.12.20
Version	7 (08.12.20)	Page	10 / 10

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.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.

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