

SAFETY DATA SHEET

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

50 368 - AEROPUMP fixative for pastels

Article No.
Version

4 (14.09.15)

Issue date: 14.09.15
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name 50 368 - AEROPUMP fixative for pastels
without propellant

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

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) 30-30686790**

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 (CLP)



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

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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.

2.3 Other hazards

SECTION 3: Composition / information on ingredients

3.1 Substances

Chemical characterization

Alcohol
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 % - 75 %
CAS-Number: 67-63-0
REACH registration No.: 01-2119457558-25

Classification according to EC regulation 1272/2008 (CLP):
Eye Irrit. 2; H319 / Flam. Liq. 2; H225 / STOT SE 3;
H336

Substance 2

ethanol: 25 % - 50 %
CAS-Number: 64-17-5

Classification according to EC regulation 1272/2008 (CLP):
Flam. Liq. 2; H225

Substance 3

4-hydroxy-4-methylpentan-2-one: 5 % - 10 %
CAS-Number: 123-42-2
REACH registration No.: 01-2119473975-21-XXXX
Classification according to EC regulation 1272/2008 (CLP):
Eye Irrit. 2; H319 / Flam. Liq. 3; H226

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 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

After swallowing

Rinse mouth with water. Seek medical treatment in case of troubles.

4.2 Most important symptoms and effects, both acute and delayed

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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, 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

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8.1 Control parameters

67-63-0 propan-2-ol

DEU	WEL	200,000	mL/m ³	-
DEU	WEL	500,000	mg/m ³	2(II); DFG; Y

64-17-5 ethanol

DEU	WEL	500,000	mL/m ³	-
DEU	WEL	960,000	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)

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

DEU	WEL	20,000	mL/m ³	-
DEU	WEL	96,000	mg/m ³	2(I); DGE; H
USA	PEL (US)	50,000	ppm	(8h long term)
USA	PEL (US)	240,000	mg/m ³	(8h long term)

8.2 Exposure controls

Occupational exposure controls

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Hand protection

Protective gloves

Qualified materials: Nitrile rubber

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection

Goggles

Body protection

Wear suitable protective clothing.

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

Physical state liquid
Colour colourless
Odour alcoholic

	min	max
Initial boiling point and boiling range	0	0
Melting point/freezing point	0	0
Flash point/flash point range	13 °C	13 °C
Flammability		
Ignition temperature	235 °C	235 °C
Auto-ignition temperature		
Explosion limits	3 Vol%	15 Vol%
Refraction index		

Partition coefficient: n-octanol/water

Explosive properties

Vapour pressure	4,8 kPa	20 °C
Density	0,78 g/ml	20 °C
PH value	0	0

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Viscosity dynamic of 0 mPa.s
Viscosity dynamic up to 0 mPa.s

Viscosity kinematic of 0 m²/s
Viscosity kinematic up to 0 m²/s

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

Acute toxicity
In case of inhalation
After swallowing
In case of skin contact
After eye contact

Practical experience

General remarks

Toxicological tests

67-63-0 propan-2-ol

oral	LD50	Rat		5050,000	mg/kg	-
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Toxicological tests

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	-

Toxicological tests

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

oral	LD50	Rat		4000,000	mg/kg	-
dermal	LD50	Rabbit		13500,000	mg/kg	-

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

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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

Ecotoxicological effects

67-63-0 propan-2-ol

not required	LC50	fish		1000,000	mg/L	(96h)
Ecotoxicological effects						
64-17-5	ethanol					
not required	LC50	fish		8150,000	mg/L	48h
not required	EC50	Daphnia magna		14221,000	mg/L	48h
Ecotoxicological effects						
123-42-2	4-hydroxy-4-methylpentan-2-one					
not required	LC50	fish		420,000	mg/L	(96 h)

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

Contaminated packaging

Waste key number
Recommendation

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 or PAINT RELATED MATERIAL

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

14.6 Special precautions for user

Land transport

Code: ADR/RID F1
Kemmler-number 33
Hazard label ADR 3
Limited quantities 5L
Contaminated packaging: Instructions P001 - IBC02 - R001
Contaminated packaging: Special provisions PP1
Special provisions for packing together MP19
Portable tanks: Instructions T4
Portable tanks: Special provisions TP1 - TP8 - TP28
Tank coding LGBF
Tunnel restriction D/E
Remarks
EQ E2
Special provisions 163 - 367 - 640D - 650

Inland waterway craft

Hazard label
Limited quantities
Transport permitted
Equipment necessary
Ventilation
Remarks
EQ
Special provisions

Sea transport

EmS F-E, S-E
Special provisions 163 - 367
Limited quantities 5L
Contaminated packaging: Instructions P001
Contaminated packaging: Special provisions PP1
IBC: Instructions IBC02
IBC: Provisions -
Tank instructions IMO -
Tank instructions UN T4
Tank instructions Special provisions TP1 - TP8 - TP28
Stowage and segregation category B
Properties and observations
Remarks
EQ E2

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Air transport

Hazard	Flammable Liquid
Passenger	353 (5L)
Passenger LQ	Y341 (1L)
Cargo	364 (60L)
ERG	3L
Remarks	
EQ	E2
Special Provisioning	A72

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 [%]

~ 96 %

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

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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.
	H335 May cause respiratory 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

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.