

SAFETY DATA SHEET

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

50 060 - Varnish remover

Article No.
Version 5 (10.07.17)

Issue date: 10.07.17
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name 50 060 - Varnish remover

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) 30-30686790

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.
Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.
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.
H304 May be fatal if swallowed and enters airways.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

Safety precautions

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P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing vapours.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing and eye/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/..
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

2.3 Other hazards

Repeated exposure may cause skin dryness or cracking. (EUH066)

SECTION 3: Composition / information on ingredients

3.1 Substances

Chemical characterisation

Alcohol
White spirit
ketone
natural oils
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

acetone: 20 - 30 %
CAS: 67-64-1
REACH: 01-2119471330-49-xxxx
Eye Irrit. 2; H319 / Flam. Liq. 2; H225 / STOT SE 3;
H336 / EUH066

Substance 2

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

ethanol: 10 - 20 %
CAS: 64-17-5
REACH: 01-2119457610-43-XXXX
Eye Irrit. 2; H319 / Flam. Liq. 2; H225

Substance 4

solvent naphtha (petroleum), light, aromatic: 10 - < 20 %
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 5

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

Additional information

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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. Do NOT induce vomiting. Immediately get medical attention.

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

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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

67-64-1 acetone

DEU	WEL	500,000	mL/m ³	-
DEU	WEL	1.200,000	mg/m ³	2 (I); DFG; EU

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)

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

DEU	WEL	100,000	mg/m ³	TRGS 900
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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); DGF; 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.

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 > 1,5 mm

Breakthrough time > 10 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/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

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9.1 information on basic physical and chemical properties

Form liquid
Colour clear
Odour solvents

	min	max
Initial boiling point and boiling range	> 60 °C	
Melting point/freezing point		
Flash point/flash point range	5 °C	10 °C
Flammability		
Ignition temperature		
Auto-ignition temperature		
Explosion limits		
Refraction index		

Partition coefficient: n-octanol/water
Danger of explosion

Vapour pressure
Density 0,82 g/ml 20 °C
PH value

Viscosity dynamic of
Viscosity dynamic up to

Viscosity kinematic of 0 0
Viscosity kinematic up to 0 0

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.

67-64-1

acetone

oral	LD50	Rat		5800,000	mg/kg	-
dermal	LD50	Rat		20000,000	mg/kg	-

67-63-0

propan-2-ol

oral	LD50	Rat	>=	5050,000	mg/kg	-
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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	-

64742-95-6

solvent naphtha (petroleum), light, aromatic

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123-42-2	oral	LD50	Rat	>	2000,000	mg/kg	-
	dermal	LD50	Rat	>	2000,000	mg/kg	-
	4-hydroxy-4-methylpentan-2-one						
	oral	LD50	Rat		2520,000	mg/kg	-
	dermal	LD50	Rabbit		13500,000	mg/kg	-

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

Toxicological tests

67-64-1	acetone	EC50	Algae		7200,000	mg/l	96h
67-63-0	propan-2-ol	LC50	fish	>	1000,000	mg/l	(96h)
64-17-5	ethanol	LC50	fish		8150,000	mg/l	48h
		EC50	Daphnia magna	>	14221,000	mg/l	48h
64742-95-6	solvent naphtha (petroleum), light, aromatic	LC50	fish	>	10,000	mg/l	-
		LC50	Algae	>	10,000	mg/l	-
123-42-2	4-hydroxy-4-methylpentan-2-one	LC50	fish		420,000	mg/l	(96 h)

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

No data available

Water Hazard Class

2

WGK catalog number

General information

12.2 Persistence and degradability

Further details

Product is partially biodegradable.

Oxygen demand

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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
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
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

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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

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

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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 [%]
~ 82 %
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

Hazard statements (CLP)	H225	Highly flammable liquid and vapour.
	H226	Flammable liquid and vapour.
	H304	May be fatal if swallowed and enters airways.
	H319	Causes serious eye irritation.
	H335	May cause respiratory irritation.
	H336	May cause drowsiness or dizziness.
	H372	Causes damage to organs through prolonged or repeated exposure.
	H411	Toxic to aquatic life with long lasting effects.
	H412	Harmful 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

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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