

SAFETY DATA SHEET

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

50 024 - Gum spirit of turpentine

50 102 - Oil of turpentine, refined

Article No.	50 024 / 50 102	Issue date:	23.08.23
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name 50 024 - Gum spirit of turpentine
50 102 - Oil of turpentine, refined

REACH registration No. ---

UFI 50 024 - UFI: MTHF-44KE-500P-4YQ8
50 102 - UFI: 6GRF-M4ED-2009-QM59

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
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)

Acute Tox. 4; H302 Harmful if swallowed.
Acute Tox. 4; H312 Harmful in contact with skin.
Acute Tox. 4; H332 Harmful if inhaled.
Aquatic Chronic 2; H411 Toxic 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. 3; H226 Flammable liquid and vapour.
Skin Irrit. 2; H315 Causes skin irritation.
Skin Sens. 1B; H317 May cause an allergic skin reaction.

2.2 Label elements

Labelling

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Signal word

Danger

Hazard statements

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H411 Toxic to aquatic life with long lasting effects.

Safety precautions

- P102 Keep out of reach of children.
- P260 Do not breathe vapours.
- P273 Avoid release to the environment.
- P280 P273 Avoid release to the environment.
- 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.

Text for labelling (CLP)

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SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical characterisation

Turpentine, oil	
CAS-Number	---
EINECS / ELINCS / NLP	---
EU index number	---
REACH registration No.	---
Hazchem-Code	---
CI-Number	---

3.2 Mixtures

Substance 1

turpentine, oil: > 99,5 %
CAS-Number: 8006-64-2
REACH registration No.: 01-2119553060-53-xxxx
Classification according to EC regulation 1272/2008 (CLP):
Acute Tox. 4; H302 / Acute Tox. 4; H312 / Acute Tox. 4;
H332 / Aquatic Chronic 2; H411 / Asp. Tox. 1; H304 /
Eye Irrit. 2; H319 / Flam. Liq. 3; H226 / Skin Irrit. 2;
H315 / Skin Sens. 1; H317

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. If breathing becomes irregular or ceases, apply rescue breathing or artificial respiration immediately, where required supply oxygen. If victim is at risk of losing consciousness, position and transport on their side.

In case of skin contact

Remove residues with soap and water. Seek medical attention if irritation persists.

After eye contact

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 10 minutes. Seek medical attention if irritation persists.

After swallowing

Rinse mouth immediately and drink plenty of water. Do not give fatty oils and milk. Give activated carbon, in order to reduce the resorption in the gastro-enteric tract. Caution if victim vomits: Risk of aspiration! Seek 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

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam Carbon dioxide Extinguishing powder

Extinguishing media which must not be used for safety reasons

Full water jet

5.2 Special hazards arising from the substance or mixture

Hazardous vapours may form during fires.

5.3 Advice for firefighters

Special protective equipment for firefighters

Additional information

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear suitable protective clothing. Avoid contact with skin, eyes, and clothing.

6.2 environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.

Additional information

6.4 Reference to other sections

Disposal: see section 13 Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling

Provide adequate ventilation. Concentrated vapours are heavier than air.

Precautions against fire and explosion

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers

Keep container tightly closed.

Hints on joint storage

Storage class

Further details

storage temperature: from 10 °C to 35 °C

7.3 Specific end use(s)

No special measures necessary if stored and handled as prescribed.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8006-64-2 turpentine, oil

CHE	WEL Switzerland	100,000	mL/m ³	-
CHE	WEL Switzerland	560,000	mg/m ³	-
D	WEL	28,000	mg/m ³	-
D	WEL	5,000	ml/m ³	2 (II)

DNEL overview

8006-64-2 turpentine, oil

DNEL worker	Long-term - inhalation, systemic effects	5,98000	mg/m ³
DNEL worker	dermal, short-term, systemic, (acute)	161,00000	µg/cm ²
DNEL Consumer	Long-term - oral, systemic effects	0,31000	mg/kg bw/day
DNEL Consumer	Long-term - inhalation, local effects	1,06000	mg/m ³
DNEL Consumer	dermal, short-term, systemic, (acute)	81,00000	golden orfe

PNEC overview

8006-64-2 turpentine, oil

PNEC soil	0,45000	mg/kg dw
PNEC aquatic, freshwater	8,80000	µg/L
PNEC aquatic, marine water	0,88000	µg/L
PNEC soil, freshwater	2,27000	mg/kg dw
PNEC soil, marine water	0,22700	mg/kg dw
PNEC sewage treatment plant (STP)	6,60000	mg/L
PNEC Secondary Poisoning	1,35000	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 > 0,1 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/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

Flame-resistant antistatic protective clothing

General protection and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Protect skin by using skin protective cream.

SECTION 9: Physical and chemical properties

9.1 information on basic physical and chemical properties

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Form liquid
Colour colourless, clear
Odour weak aromatic

	min	max		
Melting point/freezing point	---	---		
Initial boiling point and boiling range	150 °C	180 °C		
Flammability		---		
Explosion limits	0,7	6,1 Vol%		
Flash point/flash point range	ca. 35 °C	---		
Ignition temperature	---	---		
PH	---	---	---	---
Viscosity	---	---	---	---
Solubility		---	---	---
Partition coefficient: n-octanol/water		---		
Vapour pressure		---	---	---
Density and/or relative density		0,87 g/ml	---	---
Relative vapour density	---	---	---	---
Auto-ignition temperature	255 °C	---	---	---
Refraction index	---	---	---	---

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

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

Keep away from sources of ignition - No smoking.

10.5 Incompatible materials

strong oxidizing agents

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological tests

8006-64-2 turpentine, oil

oral	LD50	Rat		3956,00000	mg/kg	-
inhalative	LC50	Rat		13,70000	mg/L	(4h)
inhalative	LC50	Mouse		29,00000	mg/L	(2h)

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dermal	LD50	Rabbit	>	2000,00000	mg/kg	-
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Toxicokinetics, metabolism and distribution

Acute toxicity

In case of inhalation

LC50(Rat): 13,7 mg/L (4h)

After swallowing

LD50(Rat): 3956 mg/kg

In case of skin contact

LD50(Rabbit): > 2000 mg/kg (2h)

After eye contact

No data available

Practical experience

General remarks

11.2 Information on other hazards

SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicological effects

8006-64-2 turpentine, oil

EC50	Daphnia magna (Big water)	14,10000	mg/L	-
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Aquatic toxicity

Water Hazard Class

2

WGK catalog number

General information

12.2 Persistence and degradability

Further details

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

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12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

Do not allow to enter into ground-water, surface water or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number

08 01 12 waste paint and varnish other than those mentioned in 08 01 11

Recommendation

Package

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 or ID number

1299

14.2 UN proper shipping name

ADR, ADN TURPENTINE

IMDG, IATA TURPENTINE

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 Yes

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

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Package: Special Provisions	-
Special provisions for packing together	MP19
Portable tanks: Instructions	T2
Portable tanks: Special Provisions	TP1
Tank coding	LGBF
Tunnel restriction	D/E
Remarks	---
EQ	E1
Special Provisions	-

Sea transport (IMDG)

EmS	F-E, S-E
Special Provisions	-
Limited quantities	5L
Package: Instructions	P001 - LP01
Package: Special Provisions	-
IBC: Instructions	IBC03
IBC: Provisions	-
Tank instructions IMO	---
Tank instructions UN	T2
Tank instructions Special Provisions	TP2
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	-

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

Germany

Storage class	3
Water Hazard Class	2
WGK catalog number	---
Incident regulation	---

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Information on working limitations

Further regulations, limitations and legal requirements

Switzerland

Contents of VOC [%]

100 %

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)

H226 Flammable liquid and vapour.
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H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
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) 2020/217 - ATP 14

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
