

# MATERIAL 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.		Issue date:	17.05.21
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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

**Name INCI**

**Name Ph. Eur.**

**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  
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)

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 (M1); 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.  
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 and eye 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.

**Hazard components for labelling**

**Text for labelling (CLP)**

## 2.3 Other hazards

## SECTION 3: Composition / information on ingredients

### 3.1 Substances

**Chemical characterisation**

Turpentine, oil  
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**

turpentine, oil: > 99,5 %  
REACH: 01-2119553060-53-xxxx  
Acute Tox. 4; H302 / Acute Tox. 4; H312 / Acute Tox. 4;

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H332 / Aquatic Chronic 2 (M1); H411 / Asp. Tox. 1; H304 / Eye Irrit. 2; H319 / Flam. Liq. 3; H226 / Skin Irrit. 2; H315 / Skin Sens. 1A; H317

## Additional information

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

#### 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

## 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

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## 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

#### Hints on joint storage

#### Storage class

#### Further details

### 7.3 Specific end use(s)

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

- turpentine, oil

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

### DNEL overview

- turpentine, oil

DNEL worker	Long-term - inhalation, local	5,98000	mg/m <sup>3</sup>
DNEL worker	dermal, short-term, systemic,	161,00000	µg/cm <sup>2</sup>
DNEL Consumer	Long-term - oral, systemic eff	0,31000	mg/kg bw/day
DNEL Consumer	Long-term - inhalation, local	1,06000	mg/m <sup>3</sup>
DNEL Consumer	dermal, short-term, systemic,	81,00000	µg/cm <sup>2</sup>

### PNEC overview

- 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 (S)	6,60000	mg/L

### 8.2 Exposure controls

#### Occupational exposure controls

##### Respiratory protection

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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/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

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

<b>Form</b>	liquid
<b>Colour</b>	colourless, clear
<b>Odour</b>	weak aromatic

	min	max	
<b>Initial boiling point and boiling range</b>	150 °C	170 °C	
<b>Melting point/freezing point</b>			
<b>Flash point/flash point range</b>	ca. 35 °C		
<b>Flammability</b>			
<b>Ignition temperature</b>			
<b>Auto-ignition temperature</b>			
<b>Explosion limits</b>			
<b>Refraction index</b>			
<b>PH</b>			
<b>Viscosity</b>	1,3 mPas		25 °C
<b>Viscosity</b>			
<b>Vapour pressure</b>			
<b>Density</b>		0,87 g/ml	20 °C
<b>Partition coefficient: n-octanol/water</b>			

**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

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Keep away from sources of ignition - No smoking.

## **10.5 Incompatible materials**

strong oxidizing agents

## **10.6 Hazardous decomposition products**

## SECTION 11: Toxicological information

### **11.1 Information on toxicological effects**

#### **Toxicological tests**

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

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

#### **Practical experience**

#### **General remarks**

## SECTION 12: Ecological information

### **12.1 Toxicity**

#### **Ecotoxicological effects**

- turpentine, oil

EC50	Daphnia magna (Big water flea)		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

### **12.6 Other adverse effects**

**General information**

## SECTION 13: Disposal considerations

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## 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

### 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

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  
Contaminated packaging: Instructions P001 - IBC03 - LP01 - R001  
Contaminated packaging: 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  
Contaminated packaging: Instructions P001 - LP01

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Contaminated packaging: 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 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

## SECTION 15: Regulatory information

### Bezeichner in aktueller Sprache fehlt!

#### 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  
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 [%]  
100 %



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## Further regulations, limitations and legal requirements

### USA

**Signal Word**  
DANGER !

**Principal Hazards**

Flammable liquid and vapor. Harmful or fatal if swallowed.

**Hazardous Ingredients**

Contains Turpentine.

**Hazard Statement**

Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Liquid causes nose and throat irritation. Notice : Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

**Precaution Statement**

Keep away from heat sparks and flame. Prevent build-up of vapors by opening all windows and doors to achieve cross ventilation. Use only with adequate ventilation. Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Pregnant women should avoid exposure to solvents.

**First aid Statements**

If swallowed, do not induce vomiting. Get medical attention immediately. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. In case of eye contact, immediately flush eyes with plenty of water for 15 minutes and get medical attention immediately. For skin, wash thoroughly with soap and water.

**Children's Statement**

Keep out of reach of children.

**Required Statements**

Conforms to ASTM D-4236. For additional health information call the Poison Control Center 1-800-222-1222.

### Canada

## Further regulations, limitations and legal requirements

## 15.2 Chemical Safety Assessment

## SECTION 16: Other information

### Further information

<b>Hazard statements (CLP)</b>	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.
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**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**