

# MATERIAL SAFETY DATA SHEET

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

## 50 019 - Turpentine substitute

|             |                  |             |          |
|-------------|------------------|-------------|----------|
| Article No. | 50019            | Issue date: | 14.12.20 |
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name 50 019 - Turpentine substitute  
Name INCI  
Name Ph. Eur.  
REACH registration No.  
UFI UFI: NCHF-M44E-N007-T8SX

#### 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)

Aquatic Chronic 2; H411 Toxic to aquatic life with long lasting effects.  
Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.  
Flam. Liq. 3; H226 Flammable liquid and vapour.  
STOT SE 3; H335 May cause respiratory irritation.  
STOT SE 3; H336 May cause drowsiness or dizziness.

#### 2.2 Label elements

##### Labelling



##### Signal word

Danger

##### Hazard statements

H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.

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H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
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.  
P260 Do not breathe vapours.  
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.  
P273 Avoid release to the environment.

### Hazard components for labelling

### Text for labelling (CLP)

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

## 2.3 Other hazards

## SECTION 3: Composition / information on ingredients

### 3.1 Substances

#### Chemical characterisation

White spirit  
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

solvent naphtha (petroleum), light, aromatic: 70 - 90 %  
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 2

naphta (petroleum), hydrotreated heavy: 10 - 30 %  
CAS: 64742-48-9  
REACH: 01-2119457273-39-xxxx  
Asp. Tox. 1; H304 / EUH066

#### Additional information

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

#### In case of inhalation

Move victim to fresh air. Seek medical attention if problems persist.

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### **In case of skin contact**

Remove residues with soap and water. Immediately remove all contaminated clothing.

### **After eye contact**

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Seek medical attention if irritation persists.

### **After swallowing**

Do NOT induce vomiting.

## **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! Subsequent observance for pneumonia and lung oedema.

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

carbon dioxide foam water mist powder

#### **Extinguishing media which must not be used for safety reasons**

strong water jet

### **5.2 Special hazards arising from the substance or mixture**

May form dangerous gases and vapours in case of fire.: carbon monoxide and carbon dioxide

### **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**

Avoid contact with skin, eyes, and clothing. Remove persons not involved upwind.

### **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**

## **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**

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Requirements for storerooms and containers**

Store in a well-ventilated place. Keep container tightly closed.

#### **Hints on joint storage**

#### **Storage class**

#### **Further details**

### **7.3 Specific end use(s)**

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

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

|     |     |        |                   |            |
|-----|-----|--------|-------------------|------------|
| DEU | WEL | 50,000 | mg/m <sup>3</sup> | 2(II); AGS |
|-----|-----|--------|-------------------|------------|

64742-48-9 naphtha (petroleum), hydrotreated heavy

|     |     |         |                   |   |
|-----|-----|---------|-------------------|---|
| DEU | WEL | 300,000 | mg/m <sup>3</sup> | - |
|-----|-----|---------|-------------------|---|

#### DNEL overview

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

|               |                                |           |                   |
|---------------|--------------------------------|-----------|-------------------|
| DNEL worker   | Long-term - inhalation, system | 150,00000 | mg/m <sup>3</sup> |
| DNEL worker   | Long-term - dermal, local effe | 25,00000  | mg/kg bw/day      |
| DNEL Consumer | Long-term - oral, systemic eff | 11,00000  | mg/kg bw/day      |
| DNEL Consumer | Long-term - inhalation, system | 32,00000  | mg/m <sup>3</sup> |
| DNEL Consumer | Long-term - dermal, systemic e | 11,00000  | mg/kg bw/day      |

#### 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 > 0,35 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

In case of handling larger quantities: 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

Form liquid  
Colour clear  
Odour weak like white spirit

min

max

Initial boiling point and boiling range

Melting point/freezing point

Flash point/flash point range

~ 40 °C

Flammability

Ignition temperature

Auto-ignition temperature

Explosion limits

Refraction index

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PH  
Viscosity  
Viscosity

|  |                   |       |
|--|-------------------|-------|
| Vapour pressure                        | 0,8 - 0,9<br>g/ml | 20 °C |
| Density                                |                   |       |
| Partition coefficient: n-octanol/water |                   |       |

Danger of explosion

### 9.2 Other information

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

### 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.

### 10.5 Incompatible materials

strong oxidizing agents

### 10.6 Hazardous decomposition products

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Toxicological tests

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

|            |      |     |   |            |       |      |
|------------|------|-----|---|------------|-------|------|
| oral       | LD50 | Rat | > | 2000,00000 | mg/kg | -    |
| inhalative | LC50 | Rat | > | 10,20000   | mg/L  | (4h) |
| dermal     | LD50 | Rat | > | 2000,00000 | mg/kg | -    |

#### Toxicological tests

64742-48-9 naphta (petroleum), hydrotreated heavy

|        |      |        |   |            |       |   |
|--------|------|--------|---|------------|-------|---|
| oral   | LD50 | Rat    | > | 2000,00000 | mg/kg | - |
| dermal | LD50 | Rabbit | > | 2000,00000 | mg/kg | - |

#### Acute toxicity

Information refers to the solvent.

#### In case of inhalation

Acute toxicity( Rat): LC50 > 21000 mg/m<sup>3</sup> (4 h)

#### After swallowing

Acute toxicity( Rat): LD50 > 6500 mg/kg

#### In case of skin contact

Acute toxicity( Rabbit): LD50 > 3500 mg/kg

#### After eye contact

### Practical experience

### General remarks

## SECTION 12: Ecological information

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### 12.1 Toxicity

#### Ecotoxicological effects

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

|      |                                |   |         |      |       |
|------|--------------------------------|---|---------|------|-------|
| LC50 | fish                           |   | 9,20000 | mg/L | (96h) |
| EC50 | Algae                          | > | 2,60000 | mg/L | (72h) |
| EC50 | Daphnia magna (Big water flea) |   | 3,20000 | mg/L | (48h) |

#### Ecotoxicological effects

64742-48-9 naphta (petroleum), hydrotreated heavy

|      |       |   |            |      |   |
|------|-------|---|------------|------|---|
| LC50 | fish  | > | 1000,00000 | mg/L | - |
| EC50 | Algae | > | 1000,00000 | mg/L | - |

#### 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

### 13.1 Waste treatment methods

#### Product

Waste key number

Recommendation

080111\* waste paint and varnish containing organic solvents or other dangerous substances

#### 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

1263

### 14.2 UN proper shipping name

ADR, ADN Paint related material

IMDG, IATA PAINT RELATED MATERIAL

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### 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 | PP1                        |
| Special provisions for packing together    | MP19                       |
| Portable tanks: Instructions               | T2                         |
| Portable tanks: Special provisions         | TP1 - TP29                 |
| Tank coding                                | LGBF                       |
| Tunnel restriction                         | D/E                        |
| Remarks                                    |                            |
| EQ   | E1                         |
| Special provisions                         | 163 - 367 - 650            |

#### Sea transport (IMDG)

|  |                       |
|--|-----------------------|
| EmS  | F-E, S-E              |
| Special provisions                         | 163 - 223 - 367 - 955 |
| Limited quantities                         | 5L                    |
| Contaminated packaging: Instructions       | P001 - LP01           |
| Contaminated packaging: Special provisions | PP1                   |
| IBC: Instructions                          | IBC03                 |
| IBC: Provisions                            | -                     |
| Tank instructions IMO                      | -                     |
| Tank instructions UN                       | T2                    |
| Tank instructions Special provisions       | TP1 - TP29            |
| 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 | A192             |

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

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### 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

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 %

Further regulations, limitations and legal requirements

##### **USA**

**Signal Word**

DANGER !

**Principal Hazards**

Flammable. Harmful or fatal if swallowed.

**Hazardous Ingredients**

Contains petroleum distillates.

**Hazard Statement**

Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Causes eye, skin, nose and throat irritation.

**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**



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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.                     |
|                                | H304 May be fatal if swallowed and enters airways.    |
|                                | H335 May cause respiratory irritation.                |
|                                | H336 May cause drowsiness or dizziness.               |
|                                | 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**

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.