

SAFETY DATA SHEET

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

50 013 - Citrus-terpin

| | | | |
|-------------|------------------|-------------|----------|
| Article No. | 50013 | Issue date: | 10.12.20 |
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name 50 013 - Citrus-terpin
Name INCI
Name Ph. Eur.
REACH registration No.
UFI UFI: KUGF-K401-T008-U79J

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.
Skin Sens. 1; H317 May cause an allergic skin reaction.

2.2 Label elements

Labelling



Signal word Danger

Hazard statements

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.

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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.
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.

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
Orange peel 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

solvent naphtha (petroleum), light, aromatic: 25 - 50 %
CAS: 64742-95-6
REACH: 01-2119455851-35
Aquatic Chronic 2; H411 / Asp. Tox. 1; H304 / -; EUH066
/ Flam. Liq. 3; H226 / STOT SE 3; H335 / STOT SE 3;
H336

Substance 2

naphta (petroleum), hydrotreated heavy: 25 - 50 %
CAS: 64742-48-9
REACH: 01-2119457273-39-xxxx
Asp. Tox. 1; H304 / -; EUH066

Substance 3

d-limonene: 5 - <10 %
CAS: 5989-27-5
Aquatic Acute 1; H400 / Aquatic Chronic 1; H410 / Asp.
Tox. 1; H304 / Flam. Liq. 3; H226 / Skin Irrit. 2; H315
/ Skin Sens. 1; H317

Additional information

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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.

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.

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Hints on joint storage
Storage class
Further details

7.3 Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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

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

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

| | | | | |
|-----|-----|---------|-------------------|---|
| DEU | WEL | 300,000 | mg/m ³ | - |
|-----|-----|---------|-------------------|---|

DNEL overview

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

| | | | |
|---------------|--------------------------------|-----------|-------------------|
| DNEL worker | Long-term - inhalation, system | 150,00000 | mg/m ³ |
| 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 ³ |
| 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 colourless
Odour weak like solvents

min max

Initial boiling point and
boiling range

Melting point/freezing point

Flash point/flash point range

> 50 °C

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Flammability
Ignition temperature
Auto-ignition temperature
Explosion limits
Refraction index
PH
Viscosity
Viscosity

| | | |
|--|-------------------|-------|
| Vapour pressure | 0,8 - 0,9 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

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.

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 naphtha (petroleum), hydrotreated heavy

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

Toxicological tests

5989-27-5 d-limonene

| | | | | | | |
|--------|------|--------|---|------------|-------|---|
| oral | LD50 | Rat | | 4400,00000 | mg/kg | - |
| dermal | LD50 | Rabbit | > | 5000,00000 | mg/kg | - |

Acute toxicity

Information refers to the solvent.

In case of inhalation

Acute toxicity(Rat): LC50 > 21000 mg/m³ (4 h)

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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

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 | - |

Ecotoxicological effects

5989-27-5 d-limonene

| | | | | | |
|------|------|--|----------|------|---|
| LC50 | fish | | 20,00000 | mg/L | - |
|------|------|--|----------|------|---|

Aquatic toxicity

Water Hazard Class 3

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

080111 Waste paint and varnish containing organic solvents or other dangerous substances

Recommendation

Contaminated packaging

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**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 |

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 |

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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

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 3
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

Further regulations, limitations and legal requirements
Federal Regulations
State Regulations

Canada

Further regulations, limitations and legal requirements

15.2 Chemical Safety Assessment

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SECTION 16: Other information

Further information

| | |
|--------------------------------|--|
| Hazard statements (CLP) | H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H372 Causes damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. 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