

SAFETY DATA SHEET

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

50 013 - Citrus-terpin

Article No.
Version 4 (07.03.17)

Issue date: 07.03.17
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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

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 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 (CLP)



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.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

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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.
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].
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

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 / Flam. Liq. 3; H226 / STOT SE 3; H335 / STOT SE 3; H336 / EUH066

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

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.

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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

If swallowed, seek medical advice immediately and show this container or label. 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)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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

DEU	WEL	100,000	mg/m ³	TRGS 900
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64742-48-9 naphta (petroleum), hydrotreated heavy

DEU	WEL	100,000	mg/kg	-
DEU	WEL	600,000	mg/m ³	-

5989-27-5 d-limonene

DEU	WEL	5,000	mL/m ³	-
DEU	WEL	28,000	g/m ³	2 (II); DGF

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

Flammability

Ignition temperature

Auto-ignition temperature

Explosion limits

Refraction index

Partition coefficient: n-octanol/water

Danger of explosion

Vapour pressure

Density 0,8 - 20 °C
0,9 g/ml

PH value

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Viscosity dynamic of
Viscosity dynamic up to

Viscosity kinematic of
Viscosity kinematic up to

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

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

oral	LD50	Rat	>	2000,000	mg/kg	-
dermal	LD50	Rat	>	2000,000	mg/kg	-

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

oral	LD50	Rat	>	5000,000	mg/kg	-
inhalative	LC50	Rat	>	4900,000	mg/m ³	(4h)
dermal	LD50	Rabbit	>	5000,000	mg/kg	-

5989-27-5 d-limonene

oral	LD50	Rat		4400,000	mg/kg	-
dermal	LD50	Rabbit	>	5000,000	mg/kg	-

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Information refers to the solvent.

In case of inhalation

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

Toxicological tests

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

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64742-48-9	naphta (petroleum), hydrotreated heavy	LC50	fish	>	10,000	mg/l	-
		LC50	Algae	>	10,000	mg/l	-
		LC50	fish	>	1000,000	mg/l	-
		LC50	Algae	>	1000,000	mg/l	-
5989-27-5	d-limonene	LC50	fish		20,000	mg/l	-

SECTION 12: Ecological information

12.1 Toxicity

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

Ecotoxicological effects

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number
080111
Recommendation
080111* waste paint and varnish containing organic solvents or other dangerous substances

Contaminated packaging

Waste key number
Recommendation

Additional information

SECTION 14: Transport information

14.1 UN number

1263

14.2 UN proper shipping name

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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

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

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 - 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

Hazard	Flammable Liquid
Passenger	355 (60L)
Passenger LQ	Y344 (10L)
Cargo	366 (220L)
ERG	3L
Remarks	
EQ	
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

Japan

Further regulations, limitations and legal requirements

Canada

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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. 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.
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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

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