

Material Safety Data Sheet



according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Pine Oil 70

Date: August 29th, 2019

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Pine Oil 70

1.2 Relevant identified uses of the substance or mixture and uses advised against

General use: Solvent, Cleaning agent for industrial/Fragrance industry
For industrial purposes only.

1.3 Details of the supplier of the safety data sheet

UCY business services & trading GmbH

Street: Am Villepohl 4
Post Code / Place: DE-53347 Alfter
Phone: +49 228 2428 732
Facsimile: +49 228 2428 731
E-mail-address: sales@ucy-energy.com

1.4 Emergency telephone number

GIZ-Nord, Germany, Telephone: +49 (0)551-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Skin Irrit. 2; H315	Causes skin irritation.
Eye Irrit. 2; H319	Causes serious eye irritation.
Skin Sens. 1; H317	May cause an allergic skin reaction.
Asp. Tox. 1; H304	May be fatal if swallowed and enters airways.
Aquatic Chronic 2; H411	Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (CLP)



Signal word: **Danger**

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Hazard statements:	H304	May be fatal if swallowed and enters airways.
	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H319	Causes serious eye irritation.
	H411	Toxic to aquatic life with long lasting effects.

Precautionary statements:	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P302+P352	IF ON SKIN: Wash with plenty of soap and water.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P331	Do NOT induce vomiting.
	P332+P313	If skin irritation occurs: Get medical advice/attention.
	P337+P313	If eye irritation persists: Get medical advice/attention.
	P363	Wash contaminated clothing before reuse.
	P501	Dispose of contents/container to industrial incineration plant.

Special labelling

Text for labelling: Contains Hydrocarbons, terpene processing by-products.

2.3 Other hazards

No risks worthy of mention.

Results of PBT and vPvB assessment:

No data available

SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Hazardous ingredients:

Ingredient	Designation	Content	Classification
REACH 01-2119553062-49-xxxx EC No. 232-268-1 CAS 8000-41-7	Terpineol	65 - 75 %	Skin Irrit. 2; H315. Eye Irrit. 2; H319.
EC No. 273-309-3 CAS 68956-56-9	Hydrocarbons, terpene processing by-products	25 - 35 %	Flam. Liq. 3; H226. Skin Irrit. 2; H315. Eye Irrit. 2; H319. Skin Sens. 1; H317. Asp. Tox. 1; H304. Aquatic Chronic 2; H411.

Full text of H- and EUH-statements: see section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

- General information: Take off immediately all contaminated clothing.
- In case of inhalation: Provide fresh air. Seek medical attention.
- Following skin contact: Immediately clean with water and soap followed by thorough rinsing. Seek medical attention if irritation persists.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.
Afterwards, consult an ophthalmologist immediately.
- After swallowing: Rinse mouth immediately and drink plenty of water. Seek medical attention if problems persist.
Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.
Causes skin irritation. May cause an allergic skin reaction.
Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media:
Extinguishing powder, carbon dioxide, foam
- Extinguishing media which must not be used for safety reasons:
Water

5.2 Special hazards arising from the substance or mixture

Combustible. May form dangerous gases and vapours in case of fire.
Heating will lead to pressure increase: Danger of bursting and explosion.

5.3 Advice for firefighters

- Special protective equipment for firefighters:
Wear self-contained breathing apparatus.
- Additional information: Hazchem-Code: •3Z
Use fine water spray to cool endangered containers.
Do not allow fire water to penetrate into surface or ground water.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Eliminate all ignition sources if safe to do so.
Provide adequate ventilation. Do not breathe vapours.
Wear personal protection equipment.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder.
Store in special closed containers and dispose of according to ordinance. Final cleaning.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking.
Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.
Take precautionary measures against static discharges.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed and dry.
Keep in a cool place. Protect from light.
Provide solvent resistant flooring.

Hints on joint storage:

Keep away from bases, acids and strong oxidizing agents.
Do not store together with combustible or self-igniting materials or any highly flammable solids.

Further details:

Store in areas not accessible to outsiders.
Unsuitable materials: Do not use plastic or uncoated iron containers.

7.3 Specific end use(s)

Solvent, Cleaning agent for industrial/Fragrance industry

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Provide adequate ventilation.

Personal protection equipment

Occupational exposure controls

Respiratory protection: If vapours form, use respiratory protection.
Use filter type A (= against vapours of organic substances) according to EN 14387.

Hand protection: Protective gloves according to EN 374
Glove material: Nitrile rubber - Layer thickness: 0.40 mm
Breakthrough time: > 480 min
Glove material: Fluororubber (Viton) - Layer thickness: 0.40 mm
Breakthrough time: > 480 min
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:
When using do not eat, drink or smoke.
Change contaminated clothing.
Wash hands before breaks and after work.
Avoid contact with skin and eyes.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Form: liquid
Colour: clear, colourless up to weak yellowish

Odour: Pine like

Odour threshold: No data available

pH value: No data available

Melting point/freezing point: No data available

Initial boiling point and boiling range: 185 - 220 °C

Flash point/flash point range: approx. 65 °C

Evaporation rate: No data available

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Flammability:	No data available
Explosion limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Density:	at 20 °C: 0.905 - 0.925 g/mL
Water solubility:	immiscible
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	No data available
Explosive properties:	Product is not explosive.
Oxidizing characteristics:	No data available

9.2 Other information

Ignition temperature:	approx. 255 °C
Additional information:	Kauri Butanol Value: > 500

SECTION 10: Stability and reactivity

10.1 Reactivity

refer to section 10.3

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to avoid

Keep away from heat.
Keep away from sources of ignition.

10.5 Incompatible materials

Keep away from bases, acids and strong oxidizing agents.

10.6 Hazardous decomposition products

	In case of fire may be liberated: Organic crack products and carbon oxides.
Thermal decomposition:	No data available

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: LD50 Rat, oral: > 5000 mg/kg

Toxicological effects: Acute toxicity (oral): Lack of data.
Acute toxicity (dermal): Lack of data.
Acute toxicity (inhalative): Lack of data.
Skin corrosion/irritation: Skin Irrit. 2; H315 = Causes skin irritation.
Eye damage/irritation: Eye Irrit. 2; H319 = Causes serious eye irritation.
Sensitisation to the respiratory tract: Lack of data.
Skin sensitisation: Skin Sens. 1; H317 = May cause an allergic skin reaction.
Germ cell mutagenicity/Genotoxicity: Lack of data.
Carcinogenicity: Lack of data.
Reproductive toxicity: Lack of data.
Effects on or via lactation: Lack of data.
Specific target organ toxicity (single exposure): Lack of data.
Specific target organ toxicity (repeated exposure): Lack of data.
Aspiration hazard: Asp. Tox. 1; H304 = May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2 Persistence and degradability

Further details: Information about Terpineol:
Biodegradability > 90%/28d (OECD 301 D)

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:
No data available

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

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 14 06 03* = other solvents and solvent mixtures
* = Evidence for disposal must be provided.

Recommendation: Incinerate according to applicable local, state and federal regulations.
Do not dispose of with household waste.
Do not empty into drains.

Contaminated packaging

Recommendation: Waste key number:
150107 Glass packaging
150104 Metallic packaging
Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.
Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

14.1 UN number

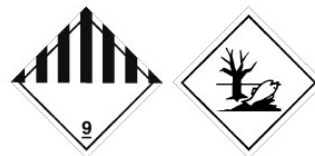
ADR/RID, IMDG, IATA-DGR:
UN 3082

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:
UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Contains
Hydrocarbons, terpene processing by-products.

14.3 Transport hazard class(es)

ADR/RID: Class 9, Code: M6
IMDG: Class 9, Subrisk-
IATA-DGR: Class 9



14.4 Packing group

ADR/RID, IMDG, IATA-DGR:
III

14.5 Environmental hazards

Marine pollutant: yes

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14.6 Special precautions for user

Land transport (ADR/RID)

Warning board:	ADR/RID: Kemmler-number 90, UN number UN 3082
Hazard label:	9
Special provisions:	274 335 375 601
Limited quantities:	5 L
EQ:	E1
Contaminated packaging - Instructions:	P001 IBC03 LP01 R001
Contaminated packaging - Special provisions:	PP1
Special provisions for packing together:	MP19
Portable tanks - Instructions:	T4
Portable tanks - Special provisions:	TP1 TP29
Tank coding:	LGBV
Tunnel restriction code:	-

Sea transport (IMDG)

EmS:	F-A, S-F
Special provisions:	274, 335, 969
Limited quantities:	5 L
Excepted quantities:	E1
Contaminated packaging - Instructions:	P001, LP01
Contaminated packaging - Provisions:	PP1
IBC - Instructions:	IBC03
IBC - Provisions:	-
Tank instructions - IMO:	-
Tank instructions - UN:	T4
Tank instructions - Provisions:	TP2, TP29
Stowage and handling:	Category A.
Properties and observations:	-
Segregation group:	none

Air transport (IATA)

Hazard label:	Miscellaneous
Excepted Quantity Code:	E1
Passenger and Cargo Aircraft: Ltd.Qty.:	Pack.Instr. Y964 - Max. Net Qty/Pkg. 30 kg G
Passenger and Cargo Aircraft:	Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Cargo Aircraft only:	Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Special provisions:	A97 A158 A197
Emergency Response Guide-Code (ERG):	9L

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14.7 Transport in bulk according to Annex II of Marpol 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 - Great Britain

Hazchem-Code: •3Z
No data available

National regulations - EC member states

Labelling of packaging with <= 125mL content



Signal word: **Danger**

Hazard statements: H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.

Precautionary statements: P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P331 Do NOT induce vomiting.
P363 Wash contaminated clothing before reuse.

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

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SECTION 16: Other information

Further information

Wording of the H-phrases under paragraph 2 and 3:

- 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.
- H319 = Causes serious eye irritation.
- H411 = Toxic to aquatic life with long lasting effects.

Reason of change: ADR/RID 2017

Date of first version: 12/1/2011

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

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.