



Material Safety Data Sheet in accordance with Directive(EG) Nr. 1907/2006

VZR Essential Oil K1

Seite 1/11

Version : 4.1 /EU / 13.1.2012

Date of Printing : 15.09.14

1. Identification of the Substance

1.1 Trade Name

VZR Essential oil K1

1.2 Product Identifiers

Natural mixture of Di- and Sesquiterpenes

1.3 Relevant identified uses of the substance

Ingredient for the Oil- Cosmetic and Foodindustry

1.4 REACH

Preregistration number: 17-2120052822-60-0000

1.5 Supplier

VZR Verfahrenszentrum Reichstädt GmbH, Am Hofbusch 4, 01744 Dippoldiswalde

1.6 Emergency Telephone number: 0361-730730 !!!

2. Hazards

2.1 Classification according to Regulation 1272/2008/EG

Flammable Liquid (Cat. 3) H226

Causes Skin irritation (Cat.2) H 315

May cause an allergic skin reaction (Cat. 1) H 317

Causes serious eye irritation (Cat. 2) H 319

Specific target organ toxicity – single exposure (Category 3) May cause respiratory irritation H 335

Very toxic to aquatic life H 400

Very toxic to aquatic life with long lasting effects H 410

2.2 Classification according to Regulation 67/548/EWG oder 1999/45/EG

Xi,N irritating, Hazardous for environment R10, R36/37/38, R43, R50/53

2.3 Labeling in accordance with (EG) 1272/2008 [CLP]

Pictogram



GHS02



GHS07



GHS09



GHS08

Signalword

Attention





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Hazard Statement(s)

H 226:	Flammable liquid and vapour
H 315:	Causes skin irritation
H317:	May cause an allergic skin reaction
H319:	Causes serious eye irritation
H335:	May cause respiratory irritation
H400:	Very toxic to aquatic life
H410:	Very toxic to aquatic life with long lasting effects

Precautionary statement(s)

P 261	Avoid breathing dust/fume/gas/mist/vapours/spray
P 273	do not release into the environment
P 280	wear protective gloves
P 305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P 501	Dispose of contents/container to authorized companies only
Supplemental Hazard	None

According to Directive 67/548/EWG and amendments

Hazard Symbol(s)



R-Phrase

R10, R36/37/38,	Flammable Irritating to eyes, respiratory system and skin
R43, R50/53	May cause sensitisation by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-Phrase

S26	In case of contact with eyes, rinse with plenty of water, seek medical advice
S36/37	Wear suitable protective clothing and gloves
S61	Avoid release to the environment. Refer to special instructions/safety data sheet





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3. Composition/Information about ingredients

Dangerous substances:

Substance: Oil, Pinus sylvestris
CAS No. 80-56-8
EC No. 201-291-9

Hazardous Substance (GHS), in accordance with directive (EG) Nr. 1272/2008

Oil, Pinus sylvestris

Ingredient	Classification	Concentration
CAS No. 80-56-9 EC No. 201-291-9	Flam. Liq. 3; Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1; STOT SE 3; Aquatic Acute 1; Aquatic Chronic 1; H226, H315, H317, H319, H335, H410	100%

Hazardous Substance (GHS), in accordance with directive (EG) No. 1999/45/EC

Oil, Pinus sylvestris

Ingredient	Classification	Concentration
CAS No. 80-56-9 EC No. 201-291-9	100	100%





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4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Consult a physician.

In case of skin contact

Wash off with soap and plenty of water (min 15 min.). Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed

no data available





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5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Dry extinguishing media, alcohol resistant foam, carbon dioxide, water spray.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for firefighting if necessary.

5.4 Further information

no data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end uses

Formulation of Printing- and InkJet Inks. Stationery application.





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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).





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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance Form:	liquid
Colour:	colorless
b) Odour:	typical
c) Odour Threshold:	no data available
d) Solubility in other solvents:	log POW 4,834 in n-Octanol/water
e) Vapor pressure:	29-32 hPa at 50°C
f) Flammability (liquid):	32°C (Method: Closed Cup)
g) Upper/lower flammability or explosive limits:	no data available

9.2 Other safety information: no data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reactions known if the product is stored in accordance with this datasheet.

10.2 Thermal composition

Avoid heat, flames.

10.3 Possibility of hazardous reactions

The product is not corrosive. No formation of dangerous gases after contact with water

10.4 Conditions to avoid

no data available

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Other decomposition products - Carbon oxides





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11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:	LD50 Oral - rat - 3750 mg/kg Somnolent behaviour
Skin corrosion/irritation:	LD 50 skin rabbit - > 5000 mg/kg
Serious eye damage/eye irritation:	no data available
Respiratory or skin sensitization:	no data available
Germ cell mutagenicity:	no data available
Carcinogenicity:	no data available
Reproductive toxicity:	no data available
Specific target organ toxicity - single exposure:	no data available
Specific target organ toxicity - repeated exposure:	no data available
Aspiration hazard:	no data available
More information	See RTECS: DT7000000
IARC:	no part of the mixture, in concentration of 0,1% or more is under suspect to cause cancer in human beings

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Fish:	LC50 - Pimephales promelas - 0,28 mg/l - 96,0 h
Daphnia	LC50 - Daphnia magna - 41 mg/l - 48 h

12.2 Persistence and degradability

Easy biodegradability

12.3 Environmental toxicity

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

no data available





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13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

14.1 UN number

ADR/RID: 2368 IMDG: 2368 - IATA: 2368

14.2 UN proper shipping name

ADR/RID: Pine Oil

IMDG: Pine Oil

IATA: Pine Oil

14.3 Transport hazard class(es)

ADR/RID: 3 IMDG: 3 IATA: 3

14.4 Packaging group

ADR/RID: III IMDG: III IATA: III





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14.5 Environmental hazards

IMDG: yes; marine pollutant
IATA: not classified as dangerous
ADR/RID: yes

14.6 Special precautions for user no data available

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Water hazard class: **1** (weak)

15.2 Chemical Safety Assessment

no data available

16. OTHER INFORMATION

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H317:	May cause an allergic skin reaction
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H335:	May cause respiratory irritation
H400:	Very toxic to aquatic life
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P 261	Avoid breathing dust/fume/gas/mist/vapours/spray
P 273	do not release into the environment
P 280	wear protective gloves
P 305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P 501	Dispose of contents/container to authorized companies only



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R10,
R36/37/38

Flammable
Irritating to eyes, respiratory system and
Skin.

R43
R50/53

May cause sensitisation by skin contact.
Very toxic to aquatic organisms, may
cause long-term adverse effects in the aquatic
environment

S26

In case of contact with eyes, rinse with plenty of
water, seek medical advice

S36/37
S61

Wear suitable protective clothing and gloves
Avoid release to the environment. Refer to special
instructions/safety data sheet

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. VZR GmbH and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See more information in our additional terms and conditions of sale.

