

# EU SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 and Regulation (EU) No 453/2010 (REACH)

Date of print: 31.10.2011  
Revision date: 30.01.2011  
Date of first version: 09.12.2010

## Turpentine Oil

Version 2 / Page 1 of 8

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

#### 1.1 Product identifier

Trade name: **Balsamic Turpentine Oil**

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

General use            Essential oil for pharmaceutical industry  
                              Industrial use

Uses advised against    None known

#### 1.3 Details of the supplier of the safety data sheet

Company name:            Kreidezeit Naturfarben GmbH  
Street/POB-No.:           Kassemuehle 3  
State/city/postal code:    D-31196 Sehlem  
WWW:                        www.kreidezeit.de  
E-mail:                        info@kreidezeit.de  
Telephone:                 +49 (0)5060 - 60 80 650  
Telefax:                     +49 (0)5060 - 60 80 680  
Dept. responsible for information:  
                                      Telephone: +49 (0)5060 - 6080650, E-mail: info@kreidezeit.de

#### 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 Sens. 1; H317            May cause an allergic skin reaction.  
Eye Irrit. 2; H319            Causes serious eye irritation.  
Aquatic Chronic 2; H411    Toxic to aquatic life with long lasting effects.  
Asp. Tox. 1; H304            May be fatal if swallowed and enters airways.  
Skin Irrit. 2; H315            Causes skin irritation.  
Acute Tox. 4; H302            Harmful if swallowed.  
Flam. Liq. 3; H226            Flammable liquid and vapour.  
Acute Tox. 4; H332            Harmful if inhaled.  
Acute Tox. 4; H312            Harmful in contact with skin.

##### Classification according to directive 67/548/EEC:

R10                            Flammable.  
Xn; R20/21/22            Harmful by inhalation, in contact with skin and if swallowed.  
Xn; R65                      Harmful: may cause lung damage if swallowed.  
Xi; R36/38                Irritating to eyes and skin.  
Sens.; R43                 May cause sensitization by skin contact.  
N; R51-53                 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 2.2 Label elements

##### Labelling (CLP)



Signal word

**Danger**

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according to Regulation (EC) No. 1907/2006 and Regulation (EU) No 453/2010 (REACH)

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Revision date: 30.01.2011  
Date of first version: 09.12.2010

## Turpentine Oil

Material number BT001

Version 2 / Page 2 of 8

Hazard statements	H226	Flammable liquid and vapour.
	H302	Harmful if swallowed.
	H304	May be fatal if swallowed and enters airways.
	H312	Harmful in contact with skin.
	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H319	Causes serious eye irritation.
	H332	Harmful if inhaled.
	H411	Toxic to aquatic life with long lasting effects.
Safety precautions	P260	Do not breathe vapours.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
	P331	Do NOT induce vomiting.
	P302+P352	IF ON SKIN: Wash with plenty of soap and water.
	P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container to hazardous or special waste collection point.	

### Labelling (67/548/EEC or 1999/45/EC)



Xn

harmful



N

dangerous for the environment

R phrase(s):	R 10	Flammable.
	R 20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
	R 36/38	Irritating to eyes and skin.
	R 43	May cause sensitization by skin contact.
	R 51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S phrase(s):	R 65	Harmful: may cause lung damage if swallowed.
	S 36/37	Wear suitable protective clothing and gloves.
	S 46	If swallowed, seek medical advice immediately and show this container or label.
	S 61	Avoid release to the environment. Refer to special instructions / safety data sheet.
	S 62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

### 2.3 Other hazards

No risks worthy of mention.

## SECTION 3: Composition/ information on ingredients

### 3.1 Substances

Chemical characterization (substance):

100% Turpentine,oil(Pinuspinaster)=Gumturpentineoil

CAS-Number: 8006-64-2  
EINECS-Number: 232-350-7  
RTECS-Number: YO8400000  
EU-number: 650-002-00-6

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General information: Take off immediately all contaminated clothing.  
After inhalation: Provide fresh air. Seek medical treatment in case of troubles.

# EU SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 and Regulation (EU) No 453/2010 (REACH)

Date of print: 31.10.2011  
Revision date: 30.01.2011  
Date of first version: 09.12.2010

## Turpentine Oil

Material number BT001

Version 2 / Page 3 of 8

- In case of skin contact: After contact with skin, wash immediately with soap and plenty of water.  
In case of skin irritation, consult a physician.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.  
Subsequently consult an ophthalmologist.
- After swallowing: Do NOT induce vomiting. Danger of aspiration!  
Immediately get medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

No data available

### 4.3 Indication of any immediate medical attention and special treatment needed

No special measures are required.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media:

Foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Water

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

Flammable. Can form a highly explosive mixture with air.

In case of fire may be liberated: carbon monoxide and carbon dioxide.

### 5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained breathing apparatus.

Additional information:

Hazchem-Code: 3Y

Use fine water spray to cool endangered containers.

Heating causes rise in pressure with risk of bursting.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Do not breathe vapours.

Suitable protective clothing. Avoid contact with the substance.

### 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.

Additional information:

Remove all sources of ignition.

### 6.4 Reference to other sections

not applicable

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advices on safe handling: Wear suitable protective clothing. Avoid contact with skin and eyes.

Do not breathe vapour. Provide adequate ventilation.

# EU SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 and Regulation (EU) No 453/2010 (REACH)

Date of print: 31.10.2011  
Revision date: 30.01.2011  
Date of first version: 09.12.2010

## Turpentine Oil

Material number BT001

Version 2 / Page 4 of 8

Precautions against fire and explosion:

Avoid open flames. Keep away from sources of ignition. - No smoking.  
Take precautionary measures against static discharge.  
Use only explosion-proof equipment.  
Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later.

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

Requirements for storerooms and containers:

Store in well-filled containers, protected from light. Keep container dry.  
Keep container tightly closed in a cool, well-ventilated place.

Provide solvent resistant flooring.

Hints on joint storage

keep away from strong oxidizing agents

Further details:

Store in areas not accessible to outsiders.

Storage class:

3 = Flammable liquids

### 7.3 Specific end use(s)

No data available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Type	Limit value
Great Britain: WEL-TWA	566 mg/m <sup>3</sup> ; 100 ppm
Great Britain: WEL-STEL	850 mg/m <sup>3</sup> ; 150 ppm

### 8.2 Exposure controls

Provide adequate ventilation.  
Do not breathe vapours.

### Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded.  
Use filter type A (= against vapours of organic substances) according to EN 141.

Hand protection:

Protective gloves according to EN 374.  
Glove material: Nitrile rubber - Layer thickness: 0,35 mm  
Breakthrough time: >480 min.  
Unsuitable materials: butyl caoutchouc (butyl rubber), polychloroprene, Polyvinyl chloride.  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection:

Tightly sealed safety glasses according to EN 166.

General protection and hygiene measures:

Avoid contact with skin and eyes.  
Keep away from sources of ignition.  
When using do not eat, drink or smoke.  
Wash hands before breaks and after work.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state:	liquid
Colour	clear, colourless
Odour:	balmy, Pine like
Boiling temperature / boiling range	150 - 180 °C
Melting point / melting range	-55 °C
Flash point / flash point range:	approx. 36 °C

# EU SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 and Regulation (EU) No 453/2010 (REACH)

Date of print: 31.10.2011  
Revision date: 30.01.2011  
Date of first version: 09.12.2010

## Turpentine Oil

Material number BT001

Version 2 / Page 5 of 8

Ignition temperature	approx. 220 °C
Explosion limits:	LEL (Lower Explosion Limit): 0,70 Vol-% UEL (Upper Explosive Limit): 6,10 Vol-%
Vapour pressure:	at 20 °C: 2,5 hPa
Density:	at 20 °C: 0,850-0,870 g/mL
Water solubility:	immiscible

### 9.2 Other information

Speed of vaporization/evaporation rate: 21,6 (ether = 1)

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Flammable.  
Can form a highly explosive mixture with air.

### 10.2 Chemical stability

No data available

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

Avoid open flames. Keep away from sources of ignition.  
avoid Excessive heating

### 10.5 Incompatible materials

keep away from strong oxidizing agents.  
Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later.

### 10.6 Hazardous decomposition products

In case of fire may be liberated: Organic crack products and carbon oxides.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity:

LD50 Rat, oral: 5760 mg/kg

After inhalation: Harmful.

After swallowing: Harmful.  
May cause lung damage if swallowed.

In case of skin contact: Harmful.  
May cause sensitization by skin contact.

After eye contact: Irritant.

### General remarks

Danger of cutaneous absorption.

# EU SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 and Regulation (EU) No 453/2010 (REACH)

Date of print: 31.10.2011

Revision date: 30.01.2011

Date of first version: 09.12.2010

## Turpentine Oil

Material number BT001

Version 2 / Page 6 of 8

### SECTION 12: Ecological information

#### 12.1 Toxicity

Aquatic toxicity: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Daphnia toxicity: EC50 14,1 mg/L

Water Hazard Class: 2 = hazardous to water (WGK catalog number 2833)

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

#### 12.2. Persistence and degradability

Further details: Readily biodegradable

Effects in sewage plants: Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge.

#### 12.3 Bioaccumulative potential

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

AOX reference: Product does not contain organically bound halogen (AOX).

### 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: Possible alternatives:  
Waste key number:  
070104 -  
Wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals  
Incinerate as hazardous waste according to applicable local, state, and federal regulations.

##### Contaminated packaging

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

### SECTION 14: Transport information

#### 14.1 UN number

ADR/RID, IMDG, IATA: 1299

#### 14.2 UN proper shipping name

ADR/RID, IMDG, IATA: UN 1299, TURPENTINE

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## Turpentine Oil

Material number BT001

Version 2 / Page 7 of 8

### 14.3 Transport hazard class(es)

ADR/RID: Class 3, Code: F1  
IMDG: Class 3, Code -  
IATA: Class 3

### 14.4 Packing group

ADR/RID, IMDG, IATA: III

### 14.5 Environmental hazards

Marine Pollutant Yes

### 14.6 Special precautions for user

#### Land transport (ADR/RID)

Warning board: ADR/RID: Kemmler-number 30, UN number 1299  
Hazard label 3  
Limited quantities 5 L  
EQ E1  
Contaminated packaging: Instructions P001 IBC03 LP01 R001  
Special provisions for packing together MP19  
Portable tanks: Instructions T2  
Portable tanks: Special provisions TP1  
Tank coding LGBF  
Tunnel restriction code: D/E



#### Sea transport (IMDG)

EmS: F-E, S-E  
Special provisions -  
Limited quantities 5 L  
EQ E1  
Contaminated packaging: Instructions P001, LP01  
Contaminated packaging: Provisions -  
IBC: Instructions IBC03  
IBC: Provisions -  
Tank instructions: IMO -  
Tank instructions: UN T2  
Tank instructions Provisions TP1  
Stowage and segregation Category A.  
Properties and observations Colourless liquid. Flashpoint: 35°C c.c. Mixture of resin and volatile oils. Immiscible with water.

#### Air transport (IATA)

Hazard Flamm. liquid  
EQ E1  
Passenger Ltd.Qty.: Pack.Instr. Y344 - Max.Qty. 10 L  
Passenger: Pack.Instr. 355 - Max.Qty. 60 L  
Cargo: Pack.Instr. 366 - Max.Qty. 220 L  
ERG 3L

### 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

# EU SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 and Regulation (EU) No 453/2010 (REACH)

Date of print: 31.10.2011  
Revision date: 30.01.2011  
Date of first version: 09.12.2010

## Turpentine Oil

Material number BT001

Version 2 / Page 8 of 8

### National regulations - Great Britain

Hazchem-Code: 3Y

### National regulations - Germany

Storage class: 3 = Flammable liquids

Water Hazard Class: 2 = hazardous to water (WGK catalog number 2833)

### National regulations - USA

TSCA Inventory: listed; UVCB  
TSCA HPVC: not listed  
NIOSH Recommendations:  
Occupational Health Guideline: 0648

Hazard rating systems



NFPA Hazard Rating:

Health: 2 (Moderate)

Fire: 2 (Moderate)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 2 (Moderate)

Flammability: 2 (Moderate)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0
	X

### 15.2 Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

## SECTION 16: Other information

### Further remarks

Reason of change: Changes in section 14: ADR 2011, IATA 2011

### Group that issues data sheet

Contact person: see chapter 1, department responsible for 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.