

SAFETY DATA SHEET

2320000 | Balsam Turpentine, rectified

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

1.1 Product identifier

* Name: identification of the substance
Balsam Turpentine, rectified

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

General use
Use INCI
Products for creation of art.

1.3 Details of the supplier of the safety data sheet

Manufacturer
Deffner & Johann GmbH
Mühläckerstr. 13
D-97520 Röthlein
Tel. +49-9723-9350-0
Fax. +49-9723-9350-25
info@deffner-johann.de
www.deffner-johann.com

* Department responsible for information
laboratory:
mo.-th. 8.00-16.30, fr. 8.00-13.30
Tel. +49-9723-9350-0
info@deffner-johann.de

1.4 Emergency telephone number

Name
Phone #
Emergencycall Berlin
(24h counseling in german and english)
+49 (0) 3030686700

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)
Classification

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

2.2 Label elements

Labelling
Nature of Hazard
GHS07 Exclamation mark
GHS02 Flame

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GHS08 Health hazard
GHS09 Environment



Signal word
Hazard statements

Danger
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.
P102 Keep out of reach of children.
P260 Do not breathe vapours.
P262 Do not get in eyes, on skin, or on clothing.
P273 Avoid release to the environment.
P280 P273 Avoid release to the environment.
P280 Wear eye protection/face protection.
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.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

* Safety precautions

Text for labelling (CLP)

SECTION 3: Composition / information on ingredients

3.1 Substances

* Chemical characterisation Turpentine, oil

3.2 Mixtures

Hazardous ingredients

turpentine, oil: > 99,5 %

CAS-Number: 8006-64-2

REACH registration No.: 01-2119553060-53-xxxx

Classification according to EC regulation 1272/2008 (CLP):

Acute Tox. 4; H302 / Acute Tox. 4; H312 / Acute Tox. 4; H332 / Aquatic Chronic 2; H411 / Asp. Tox. 1; H304 / Eye Irrit. 2; H319 / Flam. Liq. 3; H226 / Skin Irrit. 2; H315 / Skin Sens. 1; H317

SECTION 4: First aid measures

4.1 Description of first aid measures

* In case of inhalation

Move victim to fresh air. Provide fresh air. Seek medical attention if problems persist. If victim is at risk of losing consciousness, position

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* In case of skin contact

and transport on their side.

Remove residues with soap and water. Wash with generous amount of water and soap. 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. Seek medical attention if irritation persists.

* After swallowing

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Caution if victim vomits: Risk of aspiration! Seek medical attention.

4.3 Indication of any immediate medical attention and special treatment needed

Information to physician

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 Extinguishing powder alcohol resistant foam

Extinguishing media which must not be used for safety reasons

Full water jet

5.2 Special hazards arising from the substance or mixture

* Special exposure hazards arising from the substance itself, combustion products, resulting gases

Hazardous vapours may form during fires. In case of fire may be liberated: carbon monoxide and carbon dioxide

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

* Personal precautions

Provide adequate ventilation. Wear suitable protective clothing. Avoid contact with skin, eyes, and clothing.

6.2 environmental precautions

Environmental measures

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.

6.4 Reference to other sections

* Reference to other sections

Disposal: see section 13 Personal protection equipment: see section 8

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. Provide adequate ventilation. Concentrated vapours are heavier than air.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers

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

* Storage class

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limit values: components

MAK-Grenzwerte für Inhaltsstoff **1000012 turpentine, oil**

Land	Art	Wert	Einheit	Text
CHE	WEL Switzerland	100,000	mL/m ³	-
CHE	WEL Switzerland	560,000	mg/m ³	-
D	WEL	28,000	mg/m ³	-
D	WEL	5,000	mL/m ³	2 (II)

8.2 Exposure controls

Occupational exposure controls

* Respiratory protection

Respiratory protection must be worn whenever the WEL levels have been exceeded. With correct and proper use, and under normal conditions, breathing protection is not required.

Combination filtering device (EN 14387) Use filter type A (= against vapours of organic substances)

* Hand protection

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Qualified materials: Nitrile rubber Layer thickness > 0,1 mm

Breakthrough time > 480 min

Eye protection

Goggles

* Body protection

Flame-resistant antistatic protective clothing In case of handling larger quantities: Wear suitable protective clothing.

General protection and hygiene measures

When using do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, and clothing.

SECTION 9: Physical and chemical properties

9.1 information on basic physical and chemical properties

Appearance

Form liquid
Colour colourless, clear

Odour weak aromatic

Initial boiling point and boiling range 150 °C - 180 °C

Flash point/flash point range ca. 35 °C -

Density

Density 0,87 g/ml
Density: Temperatures 20 °C

Viscosity

* Viscosity dynamic of 1,3 mPas

* Viscosity dynamic up to

* Viscosity dynamic Temperatures 25 °C

Viscosity kinematic of 1,23 mm²/s

Viscosity kinematic Temperatures 20 °C

SECTION 10: Stability and reactivity

10.1 Reactivity

Reactivity

Product is stable under normal storage conditions.

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10.2 Chemical stability

Chemical stability Product is stable under normal storage conditions.

10.4 Conditions to avoid

* Conditions to avoid Keep away from sources of ignition - No smoking.

10.5 Incompatible materials

Materials to avoid strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products In case of fire may be liberated: Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological tests

Toxicological tests: components

Toxikologische Daten : **1000012 turpentine, oil**

Anwendungsweg	Methode	Spezies	Einheit	Dosis	Text
oral	LD50	Rat	mg/kg	3956,000	-
inhalative	LC50	Rat	mg/L	13,700	(4h)
inhalative	LC50	Mouse	mg/L	29,000	(2h)
dermal	LD50	Rabbit	mg/kg	2000,000	-

SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicological effects

Ecotoxicological effects: components

Ökologische Daten : **1000012 turpentine, oil**

Anwendungsweg	Methode	Spezies	Einheit	Dosis	Text
not required	EC50	Daphnia magna (Big water	mg/L	14,100	-

12.2 Persistence and degradability

Degradation

Evaluation text Product is not readily biodegradable.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number

* Waste key number Text

08 01 12

waste paint and varnish other than those mentioned in 08 01 11 080112 waste paint and varnish other than those mentioned in 080111

Contaminated packaging

* Recommendation

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

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14.1 UN number

UN-No. ADR/RID	1299
UN-No. IMDG	1299
UN-No. IATA-DGR	1299

14.2 UN proper shipping name

Product designation: ADR/RID	TURPENTINE
Proper shipping name: IMDG	TURPENTINE
Proper shipping name: IATA-DGR	TURPENTINE

14.3 Transport hazard class(es)

Class ADR/RID	3
Code: ADR/RID	F1
Class IMDG	3
* Subrisk IMDG	marine pollutant
Class IATA-DGR	3
Subrisk IATA-DGR	-

14.4 Packing group

Packaging group ADR/RID	III
Packing Group IMDG	III
Packing Group IATA-DGR	III

14.5 Environmental hazards

Marine Pollutant - IMDG	Yes
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14.6 Special precautions for user

Land transport (ADR/RID)	
Danger releasing substance	Turpentine
Hazard label ADR	3
Hazard label RID	3
Limited quantities	5L
EQ	E1
Special provisions	-
Contaminated packaging: Instructions	P001 - IBC03 - LP01 - R001
Contaminated packaging: Special provisions	-
Special provisions for packing together	MP19
Portable tanks: Instructions	T2
Portable tanks: Special provisions	TP1
Tank coding	LGBF
ADR	
Transport category	3
Tunnel restriction	D/E
Kemmler-number	30
RID	
Transport category	3
Kemmler-number	30
Remarks	

Sea transport (IMDG)

Danger releasing substance	TURPENTINE
Special provisions	-
Limited quantities	5L
EQ	E1
Contaminated packaging: Instructions	P001 - LP01
Contaminated packaging: Special provisions	-

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IBC: Instructions	IBC03
IBC: Provisions	-
Tank instructions IMO	
Tank instructions UN	T2
Tank instructions Special provisions	TP2
EmS	F-E, S-E
Stowage and segregation	category A
Properties and observations	
Remarks	
Air transport (IATA-DGR)	
Danger releasing substance	TURPENTINE
Hazard	Flammable Liquid
Passenger	355 (60L)
Passenger LQ	Y344 (10L)
Cargo	366 (220L)
Special Provisioning	-
ERG	3L
Remarks	
Further information	

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

Germany	
* Storage class	3
Water Hazard Class	2
Switzerland	
Ordinance 814.018 on Incentive Taxes on Volatile Organic Compounds (OVOC)	
* Contents of VOC [%]	100 %

SECTION 16: Other information

Hazard statements (CLP)

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
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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.

Further information

This information is abased on our current state of knowledge and describes the security standards applicable to our product for the

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