

MATERIAL SAFETY DATA SHEET



ORGANIC TEA TREE OIL

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

1.1 Product identifier

Trade name: Blanova® Tea Tree Oil Organic
Article number: 162464

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

No further relevant information available.

Application of the substance / the mixture
Cosmetic Ingredient
Personal care.

1.3 Details of the supplier of the safety data sheet

G. Baldwin & Co.
173 Walworth Road,
LONDON, ENGLAND. SE17 1RW.
Telephone: +44 (0) 207 703 5550 Fax: +44 (0)207 252 6264
E-mail: info@baldwins.co.uk
Web: www.baldwins.co.uk

1.4. Emergency telephone number

Emergency tel: +44 (0) 207 703 5550
(office hours only)

SECTION 2: Hazards identification
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2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.

GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

GHS07

Acute Tox. 4 H302 Harmful if swallowed.

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.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 The product is classified
and labelled according to the CLP regulation.

Hazard pictograms

GHS02 GHS07 GHS08 GHS09

Signal word Danger

Hazard-determining components of labelling:

Melaleuca alternifolia, ext.

INCI name: MELALEUCA ALTERNIFOLIA OIL

Hazard statements

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P240 Ground/bond container and receiving equipment.

P233 Keep container tightly closed.

P242 Use only non-sparking tools.

P273 Avoid release to the environment.

P243 Take precautionary measures against static discharge.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing should not be allowed out of the workplace.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P362

Take off contaminated clothing.

P363

Wash contaminated clothing before reuse.

P333+P313

If skin irritation or rash occurs: Get medical advice/attention.

P330

Rinse mouth.

P331

Do NOT induce vomiting.

P391

Collect spillage.

P405

Store locked up.

P403+P235

Store in a well-ventilated place. Keep cool.

P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

- Additional information: For the wording of the listed hazard phrases refer to section I6.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Seek medical treatment in case of complaints.

After inhalation:

Remove victim from source of exposure.

General first aid, rest, warmth and fresh air.

Place unconscious person on the side in the recovery position and ensure breathing.

Seek medical treatment in case of complaints.

After skin contact:

Remove contaminated clothing.

After contact with the skin, wash immediately with plenty of soap and water.

If skin irritation continues, consult a doctor.

After eye contact:

Remove contact lenses.

Promptly wash eyes with plenty of water while lifting the eye lids.

Continue to rinse for at least 15 minutes and get medical attention.

After swallowing:

Call for a doctor immediately.

Immediately rinse out mouth and then drink plenty of milk or water.

Keep the patient under observation.

Do not induce vomiting.

If vomiting occurs keep head low.

4.2 Most important symptoms and effects, both acute and delayed

Upper respiratory irritation.

Ingestion may cause chemical burns in mouth and throat.

Causes skin irritation.

Eye Contact: Irritation and may cause redness and pain.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

Dangerous components:

CAS: 85085-48-9

EINECS: 285-377-1

Melaleuca alternifolia, ext.

INCI name: MELALEUCA ALTERNIFOLIA OIL > 90%

Flam. Liq. 3, H226 Asp. Tox. 1, H304

Aquatic Chronic 2, H411

Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin

Sens. 1, H317

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Alcohol resistant foam

Carbon dioxide

Dry Chemical Powder

Sand

5.2 Special hazards arising from the substance or mixture

Emits toxic fumes under fire conditions.

5.3 Advice for firefighters

Protective equipment:
In the event of fire and/or explosion do not breathe fumes.
Wear self-contained respiratory protective device.
Wear fully protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.
Avoid contact with skin and eyes.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Use inert absorbent material (sand, vermiculite, diatomaceous earth, Kieselguhr, etc.) to soak up leaked product.
Send for disposal in a suitable container
Dispose of the material collected according to regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Usual safety precautions should be observed to ensure safe handling.
Avoid spillage.
Avoid contact with eyes and skin.
Eye wash facilities and emergency shower must be available when handling this product.
Information about fire - and explosion protection: Keep ignition sources away -
Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in cool, dry conditions in well sealed receptacles.

Information about storage in one common storage facility:

Store away from strong oxidizing agents.

Further information about storage conditions: Keep container tightly sealed.

Storage class: Flammable liquid storage.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· Additional information:

This is based on data that was valid at the time of writing.

Use engineering controls to reduce air contamination.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Ensure adequate ventilation.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Eyewash and safety shower facilities should be available when handling this product.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

Certified respiratory protective device recommended.

NIOSH or European Standard EN 149 approved respirator

Protection of hands:

Protective gloves.

DIN/EN 374

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Safety glasses

(EN 166)

· Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Liquid

Colour: Colourless to pale yellow

Light brown

Odour: Characteristic

Odour threshold: Not determined.

pH-value: Not determined.

Change in conditionMelting point/Melting range: Undetermined.

Boiling point/Boiling range: 165 - 209 °C (760 mm Hg)

Flash point: 50 - 57 °C (Closed Cup)

Flammability (solid, gaseous): Not applicable.

· Ignition temperature:

Decomposition temperature: Undetermined.

Self-igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined.

Upper: Not determined.

Vapour pressure: Not determined.

Density: Not determined.

Relative density 0.885 - 0.906

Vapour density Not determined.

Evaporation rate Not determined.

Solubility in / Miscibility with water: Insoluble.

Partition coefficient (n-octanol/water): 3.26 log POW

Viscosity:

Dynamic: Not determined.

Kinematic: Not determined.

9.2 Other information No further relevant information available.

Refractive index: 1.475 – 1.482

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions Hazard Polymerization: will not occur.

10.4 Conditions to avoid Avoid heat and sources of ignition.

10.5 Incompatible materials: Strong oxidizers.

10.6 Hazardous decomposition products:

Carbon monoxide

Carbon dioxide

Nitrogen oxides (NO_x)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Harmful if swallowed.

LD/LC₅₀ values relevant for classification:

Oral

Dermal

LD₅₀

LD₅₀

1900 mg/kg (rat)

5000 mg/kg (rabbit)

Primary irritant effect:

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

ingestion:

Harmful: could cause lung damage if swallowed.

Harmful if swallowed.

Inhalation: Vapour could irritate respiratory system or lungs.

Respiratory or skin sensitisation May cause an allergic skin reaction.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

log Pow 3.26 (-)

12.2 Persistence and degradability

Biodegradability = > 80 %

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

The product contains volatile organic compounds (VOC) which will evaporate easily from all surface.

Additional ecological information:

General notes:

Water hazard class 2 (German Regulation) : hazardous for water

Very toxic to aquatic life with long lasting effects.

Avoid transfer into the environment.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation Dispose of in accordance with Local Authority requirements.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number

ADR, IMDG, IATA UN1169

14.2 UN proper shipping name

ADR 1169 EXTRACTS, AROMATIC, LIQUID,

ENVIRONMENTALLY HAZARDOUS, special provision 640E

IMDG EXTRACTS, AROMATIC, LIQUID (Melaleuca alternifolia, ext.

INCI name: MELALEUCA ALTERNIFOLIA OIL),

MARINE POLLUTANT

IATA Extracts, aromatic, liquid

14.3 Transport hazard class(es)

ADR, IMDG

Class

Label
3 Flammable liquids.

3
IATA
Class
Label
3 Flammable liquids.
3

14.4 Packing group
ADR, IMDG, IATA III

14.5 Environmental hazards:

Marine pollutant:
Special marking (ADR):
Product contains environmentally hazardous substances: Melaleuca alternifolia,
ext.

INCI name: MELALEUCA ALTERNIFOLIA OIL

Yes
Symbol (fish and tree)
Symbol (fish and tree)

14.6 Special precautions for user

Danger code (Kemler):
EMS Number:
Stowage Category
Warning: Flammable liquids.

30
F-E,S-D
A

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.
Transport/Additional information:

ADR
Limited quantities (LQ)
Excepted quantities (EQ)
Transport category
Tunnel restriction code

5L
Code: EI

Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000

ml
3
D/E
IMDG
Limited quantities (LQ) 5L

Excepted quantities (EQ) Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000ml
UN "Model Regulation": UN 1169 EXTRACTS, AROMATIC, LIQUID,
SPECIAL PROVISION 640E, 3, II I,
ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

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

Labelling according to Regulation (EC) No 1272/2008
Hazard statements Please refer section 2.
Directive 2012/18/EU
Qualifying quantity (tonnes) for the application of lower-tier requirements 200t
Qualifying quantity (tonnes) for the application of upper-tier requirements 500t
National regulations:
Information about limitation of use:
Employment restrictions concerning juveniles must be observed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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

Department issuing SDS: Q&SHE

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations

Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the

International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

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Safety data sheet

according to 1907/2006/EC, Article 31, amended by Regulation (EU) No. 453/2010

Printing date 29.01.2016 Revision no. 5 Revision: 29.01.2016

Trade name: Blanova® Tea Tree Oil Organic

(Contd. of page 11)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2



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