

**Safety Data Sheet T-Blett outdoor Fichtennadel according to regulation (EU) 1907/2006
(changed by regulation (EU) Nr. 453/2010)**

Date of issue: 26.02.2016
Date of Revise: 26.02.2015
Effective from: 26.02.2015
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1.0 Identification of the substance/mixture and of the company

1.1 Product identifier

Trade name: T-Blett outdoor Fichtennadel (Consumer product)

Index-No.: --

EG-No.: --

CAS-No.: --

REACH-Registry-No:

Other names:--

Use in toilets

1.2 Relevant identified uses of the substance or the mixture and uses advised against: in toilets by professional use

1.3 Details of the supplier of the data sheet

Manufacturer / Supplier

Bioclean 4u GmbH
Schneidweg 2

D-76534 Baden-Baden

Contact for technical information

info@bioclean4u.com

fon / fax / e-mail

+49 (0)7223 9668-0 / +49(0)72239668-50 / E-Mail: info@bioclean4u.com

1.4 Emergency Number (Monday – Friday 8.00 - 16.00)

0049 7223 / 9668-0

Safety Data Sheet: info@bioclean4u.com

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EC or Directive 1999/45/EC (Substances or Mixtures):

Xi Irritant

Classification according to Regulation 1272/2008/EU



Warning

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2.2 Label elements

Directive 1999/45/EC (Mixtures)

R-Phrases

R 36 Irritating to eyes

S-Phrases

S2 Keep out of reach of children.

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

Regulation 1272/2008/EU

Hazard Statements (H-Phrases)

H 319 Causes serious eye irritation

Precautionary statements (P-Phrases)

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards ---

3. Composition/ information on ingredients

Mixture with the following hazardous Substances

Substance: Sodium carbonate

EG-No.: 207-838-8 CAS-No. 497-19-8 Index-No.:

REACH-Registry-Number.: 01-2119485498-19-xxxx

Share : 30%-36%

Classification according to Directive 67/548/EC: Xi, R 36

Classification according to Regulation (EU) Nr. 1272/2008: : GHS 07; H 319

Substance: Citric Acid

EG-No.: 201-069-1 CAS-No. 77-92-9 Index-No

REACH-Registry-Number.: 01-2119457026-42-xxxx

Share 30%-35%

Classification according to Directive 67/548/EC: Xi, R 36

Classification according to Regulation (EU) Nr. 1272/2008: GHS 07; H 319

Substance: Sodium Aluminium Silicate

EG-No.: 215-238-8 CAS-No. 1318-02-1 Index-No

REACH-Registry-Number.:

Share 5%

Classification according to Directive 67/548/EC: Xi, R 36/38

Classification according to Regulation (EU) Nr. 1272/2008: GHS 07; H 319, H 315

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Substance: Perfume oil Fichtennadel
EG-No.: mixture CAS-No. mixture Index-No
REACH-Registry-Number.:
Share 4-5%
Classification according to Directive 67/548/EC: ---
Classification according to Regulation (EU) Nr. 1272/2008: ---

PBT- and vPvB-Assessment: there is no substance in the mixture to be persistent, bioaccumulating nor toxix (PBT), nor very persistent nor very bioaccumulating (vPvB)
(You find the text of the hazardous information in section 15)

4. First aid measures

4.1 Description of first aid measures

Remove contaminated, soaked clothin immediately and dispose of safely. First aider need to protect himself.

After Inhalation Keep at rest. Aerate wirth fresh air. When symtoms persist or in all cases of doubt seek medical advice

Skin Wash immediately with soap and plenty of water. When symtoms persist or in all cases of doubt seek medical advice

Eyes Rinse immediately with soap and plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

Ingestion Call a physican immediately. Do not induce vomiting without medical advice.

4.2 Most important symtoms and effects, both acute and delayed

Cough, nausea, vomiting, headache,
Lung oedema, central nervous system effects. Prolonged skin contact may defat the skin and produce dermatitits

4.3 Indication of any immediate medical attention and special treatment needed

Treat symthomatically

5. Fire-fighting measures

5.1 Suitable extinguishing media: Alcohol-resistant foam, powder, carbon dioxide, water spray
Extinguishing media which must not be used for safety reasons: Do not use a solid water stream as it may scatter and spread fire

5.2 Special hazards arising from the substance or mixture:

Can be released in case of fire: carbon monoxide and carbon dioxide

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus , like EN 133

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6. Accidental release measures

6.1 Personal precautions

Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep people away from and upwind of spill/leak. Ensure adequate ventilation, especially in confined areas. Keep away from heat and sources of ignition. For emergency responders: Personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage. Do not discharge product into the aquatic environment without pretreatment (biological treatment plant).

6.3 Methods for containment

Stop the flow of material, if possible without risk. Dike spilled material, where this is possible.

Methods for cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum. Dispose of in accordance with local regulations. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).

6.4 Reference to other sections: see also section 7 and 13

7. Handling and storage

7.1 Advice on safe handling

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Provide sufficient air exchange and/or exhaust in work rooms.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). In case of fire, emergency cooling with water spray should be available. Ground and bond containers when transferring material. Vapour is heavier than air and can travel considerable distance to a source of ignition and flashback. Vapour may form explosive mixture with air.

Advice on the protection of the environment

See Section 8: Environmental exposure controls.

Advice on general occupational hygiene

Do not eat, drink and smoke in work

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Keep containers tightly closed in a cool, well-ventilated place. Handle and open container with care. Don't store above 50 °C

Advice on common storage

Incompatible products: strong acids and strong bases
strong oxidizing agents

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7.3 Specific end uses: product is used in toilets

8. Exposure controls / personal protection

8.1 Control parameters

8.1.1 Exposure Limits

Components: dangerous substances sodium carbonate, citric acid, sodium aluminum silicate

Note

For details and further information please refer to the original national regulation.

8.1.2 DNEL- und PNEC- Werte

DNEL: Sodium carbonate: 10 mg/m³

PNEC: not applicable

No DNEL und PNEC data of other substances available

Exposure limits European Union: for Sodium Carbonate are no exposure limits established

8.2 Occupational exposure controls

8.2.1 Engineering measures

General or dilution ventilation is frequently insufficient as the sole means of controlling employee exposure. Local ventilation is usually preferred. Explosion-proof equipment (for example fans, switches, and grounded ducts) should be used in mechanical ventilation systems.

8.2.2. Personal protective equipment

General industrial hygiene practice

Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Ensure that eyewash stations and safety showers are close to the workstation location.

Hygiene measures

When using, do not eat, drink or smoke. Take off all contaminated clothing immediately. Wash hands before breaks and immediately after handling the product.

Respiratory protection

Respirator with A filter. Full mask with above mentioned filter according to producers using requirements or self-contained breathing apparatus. Equipment should conform to EN 136 or EN 140 and EN 143.

Hand protection

Wear protective gloves. Recommendations are listed below. Other protective material may be used, depending on the situation, if adequate degradation and permeation data is available. If other chemicals are used in conjunction with this chemical, material selection should be based on protection for all chemicals present.

Suitable material butyl-rubber

Evaluation according to EN 374, level 3

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Glove thickness approx 0,3 mm
Break through time approx 60 min
Suitable material polyvinylchloride /nitrile rubber
Evaluation according to EN 374, level 2
Glove thickness approx 0,9 mm
Break through time approx 30 min

Eye protection

Tightly fitting safety goggles. In addition to goggles, wear a face shield if there is a reasonable chance for splash to the face. Equipment should conform to EN 166.

Skin and body protection

Impervious clothing. Wear face-shield and protective suit for abnormal processing problems.

8.2.3 Environmental exposure controls If possible use in closed systems. If leakage can not be prevented, the substance needs to be sucked off at the emission point, if possible without danger. Observe the exposure limits, clean exhaust air if needed. If recycling is not practicable, dispose of in compliance with local regulations. Inform the responsible authorities in case of leakage into the atmosphere, or of entry into waterways, soil or drains

9. Physical and Chemical properties

9.1 Information on basic physical and chemical properties

Appearance	
- Aggregate state:	solid
- color :	blue
Odor :	like spruce needle
Odor threshold :	No data
pH-value :	10-11 (solved in water)
Meltingpoint :	Not applicable
Boilingpoint and boiling range:	No data
Flashpoint :	Not applicable
Evaporating rate :	Not applicable
Flammability (solid, gas):	Not applicable
Upper/lower flammability or explosive limits:	Not applicable
Vapour pressure:	Not applicable
Vapour density :	Not applicable
relative density :	Not determined
Solubility :	Soluble in water
Partition coefficient:	Not applicable
n-Octanol/Water :	Not applicable
Auto-ignition temperature :	Not applicable
Decomposition temperature:	No data available
Viscosity :	Not determined
Explosive properties :	Not applicable
Oxidising properties :	Not applicable

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9.2 Other information

VOC: ----

Containing Solvent: ---

10. Stability and reactivity

10.1 Reactivity: no data known

10.2 Chemical Stability Stable if used and stored according to the specifications

10.3 Possibility of hazardous reactions: no data known

10.4 Conditions to be avoid : strong acids and strong bases, also strong oxidants

10.5 Incompatible materials: no data known

10.6 Hazardous decomposition products: see also section 5

11. Toxicological information

11.1 Acute Toxicity (all data corresponding to Sodium Carbonate)

oral: LD50: 2.800 mg/kg, rat, OECD 401

dermal: LD50: > 2.000 mg/kg, rabbit, OECD 402

inhalative: Harmful, Components of the product may be absorbed into the body by inhalation.

11.2 Irritation and Corrosion

Skin: no data

Eye: irritant

11.3 Sensitization ---

11.4 Additional toxicological notes: dizziness, narcosis, cough, nausea, vomiting, headache, unconsciousness, shortness of breath. Components of the product may be absorbed into the body by inhalation.

Carcinogenicity, Mutagenicity, Reproductive toxicity (CMR): no effects

12. Ecological information

12.1 Toxicity Fish toxicity EC 50 300 mg/l (Lepomis macrochirus; 96 h)

Daphnia toxicity 200 - 227 mg/l (Fresh water, 48 h) (only Data of Sodium carbonate)

12.2 Persistence and degradability no data available

12.3 Bioaccumulative potential no data available

12.4 Mobility in soil no data available

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12.5 Results of PBT and vPvB assessment

This substance / mixture is not considered to be persistent, bioaccumulating nor toxic (PBT), nor very persistent nor very bioaccumulating (vPvB)

12.6 Other adverse effects: actually not known

13. Disposal considerations

13.1 Waste treatment methods

Disposal required in compliance with all waste management related state and local regulations. The choice of the appropriate method of disposal depends on the product composition by the time of disposal as well as the local statutes and possibilities for disposal

Uncleaned empty packaging: Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

European Waste Catalogue (EWC) --

Extra caution: Leave waste to a dump or to a plant for burning waste

Other EU or national legislation ---

14. Transport information

14.1 UN-Number no dangerous good

14.2 Correct UN- proper shipping name

Transport by Street /Rail

ADR/RID: no dangerous good

Class /Packaging group : no dangerous good

Sea transport

IMDG-Code /GGV-See: no dangerous good

Class /Packaging group: no dangerous good

Air Transport: ICAO-TI / IATA-DGR no dangerous good

14.3 Transport hazard class see 14.2

14.4 Packaging group see 14.2

14.5 Enviromental hazards

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR: no

Marine Pollutant: no

14.6 Special precautions for user: no, see also section 7

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

Pollution category (X, Y oder Z) : no

Ship type (1, 2 oder 3) : no

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15. Regulatory information

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

Classification according to Directive 1999/45/EC:

Hazard symbols: **Xi**
Hazard classification: irritant

Classification according to Regulation 1272/2008/EU



Warning

R-Phrases (of educts)

R 36 Irritating to eyes
R 38 Irritating to skin

S-Phrases

S2 Keep out of reach of children.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

Regulation 1272/2008/EU

Hazard Statements (H-Phrases) of educts

H 315 Causes skin irritation
H 319 Causes serious eye irritation

Precautionary statements (P-Phrases)

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

National Regulation (only Germany)

Wassergefährdungsklasse 1
VOC: ---

15.2 Chemical safety Assessment not be done yet

16. Other information

Note: The above mentioned dates correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regards to necessary safety measures. The indications have not the meaning of guarantees on properties.
Date of issue 26.02.2015 Department Product Safety
Additional information:
All information is data from suppliers.
Contact: info@bioclean4u.com

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Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

CAS: Chemical Abstract Service

EINECS: European Inventory of Existing Commercial Chemical Substance

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

TRGS Technische Regel Gefahrstoffe (Germany)

VOC: Volatile Organic Compounds

DNEL: Derived No Effect Level

PNEC: Predicted No Effect Concentration
