

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Cleaner for waterbased Product

Product no.

-

REACH registration number

Not applicable

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

Relevant identified uses of the substance or mixture

Chemicals for industrial purposes

Uses advised against

-

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

WoodCare Denmark A/S

Tvæervej 6

6640 Lunderskov

Denmark

Tel: +45 99585600

Fax: +45 99585634

Contact person

LFH

E-mail

info@ttwoodcare.com

SDS date

2016-04-13

SDS Version

2.0

1.4. Emergency telephone number

Use your national or local emergency number

See section 4 "First aid measures"

SECTION 2: Hazards identification

▼ 2.1. Classification of the substance or mixture

Met. Corr. 1; H290

Acute Tox. 4; H302

Skin Corr. 1A; H314

Eye Dam. 1; H318

See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)**▼ Signal word**

Danger

▼ **Hazard statement(s)**

May be corrosive to metals. (H290)
 Harmful if swallowed. (H302)
 Causes severe skin burns and eye damage. (H314)

Safety statement(s)	General	-
	Prevention	Wear protective clothing/protective gloves/eye protection. (P280).
	Response	Immediately call a POISON CENTER/doctor. (P310). IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. (P303+P361+P353). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338).
	Storage	-
	Disposal	-

Identity of the substances primarily responsible for the major health hazards

2-butoxyethanol

▼ **2.3. Other hazards**

This product contains an organic solvent. Repeated exposure to organic solvents can result in damage to the nervous system and inner organs, such as the liver and kidneys.

Additional labelling

-

Additional warnings

Tactile warning. If this product is sold retail, it must be delivered in a child-proof container.

VOC

-

SECTION 3: Composition/information on ingredients

▼ **3.1/3.2. Substances/Mixtures**

NAME:	2-butoxyethanol
IDENTIFICATION NOS.:	CAS-no: 111-76-2 EC-no: 203-905-0 Index-no: 603-014-00-0
CONTENT:	25-40%
CLP CLASSIFICATION:	Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2 H302, H312, H315, H319, H332
NOTE:	S

(*) See full text of H-phrases in chapter 16. Occupational exposure limits are listed in section 8, if these are available.

S = Organic solvent

Other informations

ATEmix(inhale, vapour) > 20
 ATEmix(dermal) > 2000
 ATEmix(oral) = 1333,336 - <= 2000
 Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 2,4 - 3,6
 Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 2,4 - 3,6

SECTION 4: First aid measures

4.1. Description of first aid measures

▼ **General information**

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor, if in doubt about the injured person's condition or if the symptoms continue. Never give an unconscious person water or similar.

Inhalation

Get the person into fresh air and stay with them.

Skin contact

Remove contaminated clothing and shoes at once. Skin that has come in contact with the material must be washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

▼ **Eye contact**

Remove contact lenses. Flush eyes with plenty of water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Contact a doctor at once.

Ingestion

In the case of ingestion, contact a doctor immediately and take this safety data sheet or the label from the material with you. If the person is conscious, give them water. DO NOT try to induce vomiting, unless this is recommended by a doctor. Hold head facing down so that no vomit runs back into the mouth and throat. Prevent shock by keeping the injured person warm and calm. Give mouth-to-mouth resuscitation if breathing stops. If unconscious, roll the injured person onto side with the top leg bent at both knee and hip. Call an ambulance.

Burns

Not applicable

▼ 4.2. Most important symptoms and effects, both acute and delayed

Tissue damaging effects: This product contains substances which are corrosive. If vapour or aerosols are inhaled, it can result in damage to lungs, irritation and burns in the respiratory organs as well as coughing. Corrosive substances cause irreversible damage to eyes and acid burns to skin.

Neurotoxic effect: This product contains organic solvents, which can have an effect on the nervous system. Symptoms of neurotoxicity can be: loss of appetite, headache, dizziness, whistling in the ears, tingling sensations in the skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer. The skin will then be more prone to absorb dangerous substances, e.g. allergens.

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.

▼ 4.3. Indication of any immediate medical attention and special treatment needed

IF exposed or concerned:
Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Water jets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, as in the case of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Fire will result in thick black smoke. Exposure to catabolic products can damage your health. Fire fighters should use proper protection gear. Closed containers, which are exposed to fire, should be cooled with water. Do not let fire-extinguishing water run into sewers and other water courses.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances. Avoid inhalation of vapours from waste material.

6.2. Environmental precautions

No specific requirements.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. Cleaning should be done as far as possible using normal cleaning agents. Solvents should be avoided.

6.4. Reference to other sections

See section on "Disposal considerations" with regard to the handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

▼ 7.1. Precautions for safe handling

According to EC-Regulation 1907/2006 (REACH)

Avoid static electricity. Protect electrical equipment in accordance with current norms. To divert static electricity during transmission, containers must be grounded and connected by wire with the receiving containers. Do not use spark-forming tools.
Smoking, consumption of food or liquid, and storage of tobacco, food or liquids are not allowed in the workrooms. See section on 'Exposure controls/personal protection' for information on personal protection.
Avoid direct contact with the product.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

▼ Storage temperature

No data available.

7.3. Specific end use(s)

This product should only be used for applications described in Section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

▼ OEL

2-butoxyethanol (EH40/2005)

Long-term exposure limit (8-hour TWA reference period): 25 ppm | - mg/m³

Short-term exposure limit (15-minute reference period): 50 ppm | - mg/m³

Comments: Sk BMGV (Bmgv = Biological Monitoring Guidance Value. Sk = Can be absorbed through skin.)

▼ DNEL / PNEC

DNEL (2-butoxyethanol): 89 mg/kg/d

Exposure: Dermal

Duration of Exposure: Short term – Systemic effects - Workers

Remarks: brenntag

DNEL (2-butoxyethanol): 663 mg/m³, 135ppm

Exposure: Inhalation

Duration of Exposure: Short term – Systemic effects - Workers

DNEL (2-butoxyethanol): 246 mg/m³, 50ppm

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - Workers

DNEL (2-butoxyethanol): 75 mg/kg/d

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-butoxyethanol): 98mg/m³, 20ppm

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-butoxyethanol): 44,5 mg/kg/d

Exposure: Dermal

Duration of Exposure: Short term – Systemic effects - General population

DNEL (2-butoxyethanol): 426 mg/m³

Exposure: Inhalation

Duration of Exposure: Short term – Systemic effects - General population

DNEL (2-butoxyethanol): 13,4mg/kg/d

Exposure: Oral

Duration of Exposure: Short term – Systemic effects - General population

DNEL (2-butoxyethanol): 123mg/m³

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - General population

DNEL (2-butoxyethanol): 38mg/kg/d

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - General population

DNEL (2-butoxyethanol): 49mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - General population

According to EC-Regulation 1907/2006 (REACH)

DNEL (2-butoxyethanol): 3,2 mg/kg/d
 Exposure: Oral
 Duration of Exposure: Long term – Local effects - General population
 PNEC (2-butoxyethanol): 8,8mg/l
 Exposure: Water
 Remarks: Brenntag

PNEC (2-butoxyethanol): 0,88mg/l
 Exposure: Marine water

PNEC (2-butoxyethanol): 463 mg/l
 Exposure: Sewage Treatment Plant

PNEC (2-butoxyethanol): 34,6 mg/kg
 Exposure: Freshwater sediment

PNEC (2-butoxyethanol): 3,46 mg/kg
 Exposure: Marine water sediment

PNEC (2-butoxyethanol): 2,8 mg/kg
 Exposure: Soil

8.2. Exposure controls

Compliance with the stated exposure limits values should be checked on a regular basis.

General recommendations

▼ Observe general occupational hygiene.

Exposure scenarios

If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

Exposure limits

Trade users are covered by the rules of the working environment legislation on maximum concentrations for exposure. See work hygiene threshold values below.

Appropriate technical measures

Airborne gas and dust concentrations must be kept as low as possible and below the current threshold values (see below). Use for example an exhaust system if the normal air flow in the work room is not sufficient. Make sure that eyewash and emergency showers are clearly marked.

Hygiene measures

Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible collect spillage during work.

Individual protection measures, such as personal protective equipment



▼ Generally

Use only CE marked protective equipment.

Respiratory Equipment

If the ventilation at the work place is not sufficient, use a half or whole mask with an appropriate filter or an air-supplied respiratory protector. The choice depends on the concrete work situation and how long you will be using the product.

▼ Skin protection

Use suitable protective clothing, which is of EN-approved type 6 and Category III.

▼ Hand protection

Recommended: Nitrile rubber. See the manufacturer's instructions

▼ Eye protection

Use safety glasses with a side shield.

SECTION 9: Physical and chemical properties

▼ 9.1. Information on basic physical and chemical properties

Form
 Colour

Liquid
 Clear

According to EC-Regulation 1907/2006 (REACH)

Odour	Faint
pH	11-13
Viscosity	No data available.
Density (g/cm ³)	No data available.
▼ Phase changes	
Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.
▼ Data on fire and explosion hazards	
Flashpoint (°C)	No data available.
Ignition (°C)	No data available.
Self ignition (°C)	No data available.
Explosion limits (Vol %)	No data available.
▼ Solubility	
Solubility in water	Soluble
n-octanol/water coefficient	No data available.
▼ 9.2. Other information	
Solubility in fat (g/L)	No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in the section on "Handling and storage".

10.3. Possibility of hazardous reactions

No special

10.4. Conditions to avoid

Do not expose to heat (e.g. sunlight), because it can lead to excess pressure.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reductants agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

▼ Acute toxicity

Substance	Species	Test	Route of exposure	Result
2-butoxyethanol	Rat	LD50	Dermal	>2000mg/kg
2-butoxyethanol	Rat	LD50	Oral	1746 mg/kg

▼ Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

▼ **Long term effects**

Tissue damaging effects: This product contains substances which are corrosive. If vapour or aerosols are inhaled, it can result in damage to lungs, irritation and burns in the respiratory organs as well as coughing.

Corrosive substances cause irreversible damage to eyes and acid burns to skin.

Neurotoxic effect: This product contains organic solvents, which can have an effect on the nervous system.

Symptoms of neurotoxicity can be: loss of appetite, headache, dizziness, whistling in the ears, tingling sensations in the skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer. The skin will then be more prone to absorb dangerous substances, e.g. allergens.

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.

SECTION 12: Ecological information

▼ **12.1. Toxicity**

Substance	Species	Test	Test duration	Result
2-butoxyethanol	Fish	LC50	96h	1474mg/l
2-butoxyethanol	Daphnia	EC50	48h	1550mg/l
2-butoxyethanol	Algae	EC50	72h	1840mg/l
2-butoxyethanol	Crustacean	EC0	16h	700mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
No data available.			

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
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 special

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

Waste

EWC code

-

Specific labelling

-

Contaminated packing

Packaging which contains leftovers from the product must be disposed of in the same way as the product.

SECTION 14: Transport information

14.1 – 14.4

This product is covered by the conventions on dangerous goods.

▼ **ADR/RID**

14.1. UN number	1824
14.2. UN proper shipping name	-
14.3. Transport hazard class(es)	8
14.4. Packing group	II
Notes	-
Tunnel restriction code	-

IMDG

UN-no.	1824
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According to EC-Regulation 1907/2006 (REACH)

Proper Shipping Name	-
Class	8
PG*	II
EmS	-
MP**	-
Hazardous constituent	-

▼ IATA/ICAO	
UN-no.	1824
Proper Shipping Name	-
Class	8
PG*	II

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information

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

▼ Restrictions for application

People under the age of 18 must not be exposed to this product cf. Council Directive 94/33/EC.

Demands for specific education

-

Additional information

-

Sources

COUNCIL DIRECTIVE 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding.

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP). EC regulation 1907/2006 (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

▼ Full text of H-phrases as mentioned in section 3

H302 - Harmful if swallowed.

H312 - Harmful in contact with skin.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H332 - Harmful if inhaled.

The full text of identified uses as mentioned in section 1

-

Other symbols mentioned in section 2



-
Other

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version)) is marked with a blue triangle.

The safety data sheet is validated by

LFH

**Date of last essential change
(First cipher in SDS version)**

2015-02-26

**Date of last minor change
(Last cipher in SDS version)**

2015-02-26