

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Floorcoat FC Home - All versions

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

Professional treatment of wooden floors, indoors.

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

Floorcoat A/S
Egestubben 4C
DK-5270 Odense N
Denmark
Tel: +45 6618 0306
Fax: +45 6618 4346

Contact person

Lars Olsen

E-mail

info@tiptopslib.dk

SDS date

01-12-2015

SDS Version

1.0

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

This product is not classified as dangerous.
See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)

-

Signal word

-

Hazard statement(s)

-

Safety statement(s)	General	-
	Prevention	-
	Response	-
	Storage	-
	Disposal	-

Identity of the substances primarily responsible for the major health hazards

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

Contains 1,2-benzisothiazol-3(2H)-on. May produce an allergic reaction. Safety data sheet available on request. (EUH210)

Additional warnings

VOC

VOC-MAX: 100 g/l, MAXIMUM VOC CONTENT (A (WB)): 140 g/l.

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 REACH-no: 01-2119475108-36 Index-no: 603-014-00-0
CONTENT:	3-5%
CLP CLASSIFICATION:	Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2 H302, H312, H315, H319, H332
NOTE:	S
NAME:	2-(2-butoxyethoxy)ethanol
IDENTIFICATION NOS.:	CAS-no: 112-34-5 EC-no: 203-961-6 REACH-no: 01-2119475104-44 Index-no: 603-096-00-8
CONTENT:	1-3%
CLP CLASSIFICATION:	Eye Irrit. 2 H319

(*) 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(inhale, dust/mist) > 20
ATEmix(dermal) > 2000
ATEmix(oral) > 2000
Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 0,5064 - 0,7596
Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 0,332 - 0,498

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 injured person into fresh air. Make sure there is always someone with the injured person. Prevent shock by keeping the injured person warm and calm. If the person stops breathing, give mouth-to-mouth resuscitation. If unconscious, roll the injured person onto side with the top leg bent at both knee and hip. Call an ambulance.

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 immediately 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. If irritation continues, contact a doctor.

Ingestion

Give the person plenty to drink and stay with the person. If the person feels unwell, contact a doctor immediately and take this safety data sheet or the label from the product with you. Do not induce vomiting

unless recommended by the doctor. Hold head facing down so that no vomit runs back into the mouth and throat.

Burns

Not applicable

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

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.

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

No special

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

No specific requirements.

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

See section on 'Exposure controls/personal protection' for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original.

Storage temperature

Room temperature 18 to 23°C (Storage on stock, 3 to 8°C)

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-(2-butoxyethoxy)ethanol (EH40, 2005)

According to EC-Regulation 1907/2006 (REACH)

Long-term exposure limit (8-hour TWA reference period): 10 ppm | 67.5 mg/m³
Short-term exposure limit (15-minute reference period): 15 ppm | 101.2 mg/m³

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): 98 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

Remarks: ECHA

DNEL (2-butoxyethanol): 1091 mg/m³

Exposure: Inhalation

Duration of Exposure: Short term – Systemic effects - Workers

Remarks: ECHA

DNEL (2-butoxyethanol): 125 mg/kg bwt/day

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

Remarks: ECHA

DNEL (2-butoxyethanol): 89 mg/kg bwt/day

Exposure: Dermal

Duration of Exposure: Short term – Systemic effects - Workers

Remarks: ECHA

DNEL (2-butoxyethanol): 59 mg/m³

Exposure: Inhalation

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

Remarks: ECHA

DNEL (2-butoxyethanol): 426 mg/m³

Exposure: Inhalation

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

Remarks: ECHA

DNEL (2-butoxyethanol): 75 mg/kg bwt/day

Exposure: Dermal

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

Remarks: ECHA

DNEL (2-butoxyethanol): 6,3 mg/kg bwt/day

Exposure: Oral

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

Remarks: ECHA

DNEL (2-butoxyethanol): 26,7 mg/kg bwt/day

Exposure: Oral

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

Remarks: ECHA

PNEC (2-butoxyethanol): 8,8 mg/L

PNEC (2-butoxyethanol): 0,88 mg/L

PNEC (2-butoxyethanol): 9,1 mg/L

PNEC (2-butoxyethanol): 463 mg/L

PNEC (2-butoxyethanol): 34,6 mg/kg dry

PNEC (2-butoxyethanol): 3,46 mg/kg dry

PNEC (2-butoxyethanol): 2,33 mg/kg dry

PNEC (2-(2-butoxyethoxy)ethanol): 1,1 mg/L

PNEC (2-(2-butoxyethoxy)ethanol): 0,11 mg/L

PNEC (2-(2-butoxyethoxy)ethanol): 11 mg/L

PNEC (2-(2-butoxyethoxy)ethanol): 200 mg/L

According to EC-Regulation 1907/2006 (REACH)

PNEC (2-(2-butoxyethoxy)ethanol): 4,4 mg/kg dry

PNEC (2-(2-butoxyethoxy)ethanol): 0,44 mg/kg dry

PNEC (2-(2-butoxyethoxy)ethanol): 0,32 mg/kg dry

8.2. Exposure controls

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

General recommendations

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom.

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

No specific requirements.

Individual protection measures, such as personal protective equipment



Generally

Use only CE marked protective equipment.

Respiratory Equipment

Recommended: A, Class 1 (low capacity), Brown

Skin protection

No specific requirements.

Hand protection

Recommended: Nitrile rubber. . Breakthrough time: > 240 minutes (Class 5)

Eye protection

Use face shield. Use safety glasses with a side shield as an alternative.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Colour	Odour	pH	Viscosity	Density (g/cm ³)
Liquid	White	Characteristic	8 - 9	29	1,04

Phase changes

Melting point (°C)	Boiling point (°C)	Vapour pressure (mm Hg)
-	-	-

Data on fire and explosion hazards

Flashpoint (°C)	Ignition (°C)	Self ignition (°C)
-	-	-

Explosion limits (Vol %)	Oxidizing properties
-	-

Solubility

Solubility in water	n-octanol/water coefficient
Soluble	-

9.2. Other information

Solubility in fat	Additional information
-	N/A

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	Oral	1746 mg/kg
2-butoxyethanol	Rabbit	LD50	Dermal	2270 mg/kg

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

No data available.

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

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.

SECTION 12: Ecological information**12.1. Toxicity**

Substance	Species	Test	Test duration	Result
2-(2-butoxyethoxy)ethanol	Daphnia	EC50	48 H	>100 mg/L
2-(2-butoxyethoxy)ethanol	Fish	LC50	72 H	2400 mg/L
2-(2-butoxyethoxy)ethanol	Algae	EC50	72 H	1101 mg/L
2-butoxyethanol	Daphnia	EC50	48 H	1550 mg/L
2-butoxyethanol	Fish	LC50	96 H	1474 mg/L
2-butoxyethanol	Algae	EC50	72 H	911 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
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According to EC-Regulation 1907/2006 (REACH)

2-butoxyethanol

Yes

No data available

No data available

12.3. Bioaccumulative potential

Substance

2-butoxyethanol

Potential bioaccumulation

No

LogPow

No data available

BFC

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

This product is not covered by the regulations on dangerous waste.

Waste

EWC code

08 01 15

Specific labelling

-

Contaminated packing

No specific requirements.

SECTION 14: Transport information

Not listed as dangerous goods under ADR and IMDG regulations.

14.1 – 14.4

ADR/RID

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

Notes

Tunnel restriction code

IMDG

UN-no.

Proper Shipping Name

Class

PG*

EmS

MP**

Hazardous constituent

IATA/ICAO

UN-no.

Proper Shipping Name

Class

PG*

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.

Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC.

EC Regulation 1272/2008 (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

Admin

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

27-10-2015

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

01-12-2015