

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

Protect N´ Seal

**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**

Impregnating agent

**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**

Blue & Green AB

Stenorsvägen 52

261 44 Landskrona

Sweden

Tfn: +46 418 399000

Fax: +46 418 13199

www.blueandgreen.se

**E-mail**

info@blueandgreen.se

**SDS date**

2020-11-11

**SDS Version**

1.0

### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Flam. Liq. 2; H225

Eye Irrit. 2; H319

STOT SE 3; H336

See full text of H-phrases in section 2.2.

### 2.2. Label elements

**Hazard pictogram(s)**



**Signal word**

Danger

**Hazard statement(s)**

Highly flammable liquid and vapour. (H225)

Causes serious eye irritation. (H319)

May cause drowsiness or dizziness. (H336)

According to EC-Regulation 2015/830

### Precautionary statements

General	If medical advice is needed, have product container or label at hand. (P101). Keep out of reach of children. (P102).
Prevention	Wear eye protection/gloves. (P280).
Response	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	Store in a well-ventilated place. Keep cool. (P403+P235).
Disposal	Dispose of contents/container to an approved waste disposal plant. (P501).

### Identity of the substances primarily responsible for the major health hazards

propan-2-ol; n-butyl acetate

### Additional labelling

Not applicable

### Unique formula identifier (UFI)

J272-9VDU-500T-3SNS

### 2.3. Other hazards

This product contains an organic solvent. Repeated or prolonged exposure to organic solvents may result in adverse effects to the nervous system and internal organs such as liver and kidneys.

### Additional warnings

Tactile warning.

### VOC (volatile organic compound)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1/3.2. Substances/Mixtures

NAME:	propan-2-ol
IDENTIFICATION NOS.:	CAS-no: 67-63-0 EC-no: 200-661-7 REACH-no: 01-2119457558-25 Index-no: 603-117-00-0
CONTENT:	80-95%
CLP CLASSIFICATION:	Flam. Liq. 2, STOT SE 3, Eye Irrit. 2 H225, H319, H336
NOTE:	O
NAME:	n-butyl acetate
IDENTIFICATION NOS.:	CAS-no: 123-86-4 EC-no: 204-658-1 REACH-no: 01-2119485493-29 Index-no: 607-025-00-1
CONTENT:	10 - <15%
CLP CLASSIFICATION:	Flam. Liq. 3, STOT SE 3 H226, H336, EUH066
NOTE:	O
NAME:	methanol
IDENTIFICATION NOS.:	CAS-no: 67-56-1 EC-no: 200-659-6 REACH-no: 01-2119392409-28 Index-no: 603-001-00-X
CONTENT:	1 - <2.5%
CLP CLASSIFICATION:	Flam. Liq. 2, Acute tox. 3, STOT SE 1 H225, H301, H311, H331, H370
NOTE:	O L

(\*) O = Organic solvent L = European occupational exposure limit. See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

### Other information

ATEmix(inhale, vapour) > 20  
ATEmix(dermal) > 2000  
ATEmix(oral) > 2000  
Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 6.96 - 10.44

Detergent:  
> 30%: ISOPROPYL ALCOHOL

## 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.  
The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service).

According to EC-Regulation 2015/830

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

**Inhalation**

Bring the person into fresh air and stay with him/her.

**Skin contact**

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with soap and water.

**Eye contact**

Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 5 minutes and continue until irritation stops. Make sure to flush under the upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

**Ingestion**

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

**Burns**

Rinse with water until the pain stops then continue to rinse for a further 30 minutes.

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

This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: headache, dizziness, ringing in ears, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs.

Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

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

**Information to medic**

Bring this safety data sheet.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist.

**5.2. Special hazards arising from the substance or mixture**

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid inhalation of vapours from spilled material. Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

**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.

**6.4. Reference to other sections**

See section on "Disposal considerations" in regard of 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 2015/830

Avoid static electricity. Protect electrical equipment in accordance with current standards. Do not use spark-forming tools.

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. 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 container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

#### Storage temperature

Room temperature 18 to 23°C

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### OEL

methanol

Long-term exposure limit (8-hour TWA reference period): 200 ppm | 266 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): 250 ppm | 333 mg/m<sup>3</sup>

Comments: Sk (Sk = Can be absorbed through skin. )

n-butyl acetate

Long-term exposure limit (8-hour TWA reference period): 150 ppm | 724 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): 200 ppm | 966 mg/m<sup>3</sup>

propan-2-ol

Long-term exposure limit (8-hour TWA reference period): 400 ppm | 999 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): 500 ppm | 1250 mg/m<sup>3</sup>

#### DNEL / PNEC

DNEL (propan-2-ol): 319 mg/kg bw/d

Exposure: Dermal

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

DNEL (propan-2-ol): 89 mg/m<sup>3</sup>

Exposure: Inhalation

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

DNEL (propan-2-ol): 26 mg/kg bw/d

Exposure: Oral

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

DNEL (propan-2-ol): 888 mg/kg bw/d

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (propan-2-ol): 500 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (methanol): 40mg/kg/day

Exposure: Dermal

Duration of Exposure: Short term – Systemic effects - Workers

DNEL (methanol): 260mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Systemic effects - Workers

DNEL (methanol): 40mg/kg/day

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (methanol): 260mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - Workers

DNEL (methanol): 260mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

According to EC-Regulation 2015/830

DNEL (methanol): 50mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Long term – Systemic effects - General population

DNEL (methanol): 260mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Long term – Local effects - Workers

DNEL (methanol): 8mg/kg/day  
Exposure: Dermal  
Duration of Exposure: Short term – Systemic effects - General population

DNEL (methanol): 8mg/kg/day  
Exposure: Oral  
Duration of Exposure: Short term – Systemic effects - General population

DNEL (methanol): 50mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Short term – Systemic effects - General population

DNEL (methanol): 8mg/kg/day  
Exposure: Dermal  
Duration of Exposure: Long term – Systemic effects - General population

DNEL (methanol): 8mg/kg/day  
Exposure: Oral  
Duration of Exposure: Long term – Systemic effects - General population

DNEL (n-butyl acetate): 48mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (n-butyl acetate): 7mg/kg/day  
Exposure: Dermal  
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (n-butyl acetate): 3,4mg/kg/day  
Exposure: Dermal  
Duration of Exposure: Long term – Systemic effects - General population

DNEL (n-butyl acetate): 12mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Long term – Systemic effects - General population

DNEL (n-butyl acetate): 3,4mg/kg/day  
Exposure: Oral  
Duration of Exposure: Long term – Systemic effects - General population

PNEC (propan-2-ol): 552 mg/kg dw  
Exposure: Marine water sediment

PNEC (propan-2-ol): 140.9 mg/l  
Exposure: Freshwater

PNEC (propan-2-ol): 28 mg/kg dw  
Exposure: Soil

PNEC (propan-2-ol): 140.9 mg/l  
Exposure: Marine water

PNEC (propan-2-ol): 140.9 mg/l  
Exposure: Intermittent release

PNEC (propan-2-ol): 2251 mg/l  
Exposure: Sewage Treatment Plant

PNEC (propan-2-ol): 552 mg/kg dw  
Exposure: Freshwater sediment

PNEC (methanol): 154mg/l  
Exposure: Freshwater  
Duration of Exposure: Single

According to EC-Regulation 2015/830

PNEC (methanol): 15,4mg/l  
Exposure: Marine water  
Duration of Exposure: Single

PNEC (methanol): 570,4mg/kg  
Exposure: Freshwater sediment  
Duration of Exposure: Single

PNEC (methanol): 100mg/l  
Exposure: Sewage Treatment Plant  
Duration of Exposure: Single

PNEC (methanol): 23,5mg/kg  
Exposure: Soil  
Duration of Exposure: Single

PNEC (methanol): 1540mg/l  
Exposure: Intermittent release  
Duration of Exposure: Continuous

PNEC (methanol): 57,04mg/kg  
Exposure: Marine water sediment

PNEC (n-butyl acetate): 0,18mg/l  
Exposure: Freshwater

PNEC (n-butyl acetate): 0,018mg/l  
Exposure: Marine water

PNEC (n-butyl acetate): 0,36mg/l  
Exposure: Intermittent release

PNEC (n-butyl acetate): 0,981mg/kg dw  
Exposure: Freshwater sediment

PNEC (n-butyl acetate): 0,0981mg/kg dw  
Exposure: Marine water sediment

PNEC (n-butyl acetate): 0,0903mg/kg dw  
Exposure: Soil

PNEC (n-butyl acetate): 35,6mg/l  
Exposure: Sewage Treatment Plant

## 8.2. Exposure controls

Compliance with the accepted occupational exposure limits values should be controlled on a regular basis.

### General recommendations

Observe general occupational hygiene standards.

### Exposure scenarios

There is no appendix to this safety data sheet.

### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

### Appropriate technical measures

Ensure emergency eyewash and -showers are clearly marked.

### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

### Measures to avoid environmental exposure

No specific requirements.

### Individual protection measures, such as personal protective equipment



Generally

According to EC-Regulation 2015/830

Use only CE marked protective equipment.

**Respiratory Equipment**

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

**Skin protection**

Wear appropriate protection clothing, e.g. coveralls in polypropylene approved type 6 and Category III.

**Hand protection**

Nitrile rubber

Breakthrough time: > 480 minutes (Class 6)

**Eye protection**

Wear safety glasses with side shields.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Form	Liquid
Colour	Colourless
Odour	Alcohol odor
Odour threshold (ppm)	No data available.
pH	No data available.
Viscosity (40°C)	No data available.
Density (g/cm <sup>3</sup> )	0.81

**Phase changes**

Melting point (°C)	-90
Boiling point (°C)	82.5
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.

**Data on fire and explosion hazards**

Flash point (°C)	12
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	2 - 13
Explosive properties	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.
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**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 "Handling and storage".

**10.3. Possibility of hazardous reactions**

Nothing special

**10.4. Conditions to avoid**

Avoid static electricity.

**10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing 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: methanol  
 Species: Rabbit  
 Test: LD50  
 Route of exposure: Dermal

According to EC-Regulation 2015/830

Result: 15800mg/kg

Substance: methanol  
Species: Rat  
Test: LD50  
Route of exposure: Oral  
Result: 5628mg/kg

Substance: methanol  
Species: Human  
Test: LD lo  
Route of exposure: Oral  
Result: 143mg/kg

Substance: methanol  
Species: Rat  
Test: LC50  
Route of exposure: Inhalation  
Result: 83,8mg/l 4h

Substance: n-butyl acetate  
Species: Rabbit  
Test: LD50  
Route of exposure: Dermal  
Result: > 17600 mg/kg

Substance: n-butyl acetate  
Species: Rat  
Test: LD50  
Route of exposure: Oral  
Result: 10768 mg/kg

Substance: n-butyl acetate  
Species: Rat  
Test: LC50  
Route of exposure: Inhalation  
Result: 40 ppm

Substance: propan-2-ol  
Species: Rabbit  
Test: LD50  
Route of exposure: Dermal  
Result: 13900 mg/kg

Substance: propan-2-ol  
Species: Rat  
Test: LD50  
Route of exposure: Oral  
Result: 5840 mg/kg

Substance: propan-2-ol  
Species: Rat  
Test: LC50  
Route of exposure: Inhalation  
Result: >25 mg/l, 6h ånga

**Skin corrosion/irritation**

No data available.

**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation**

Data on substance: methanol

**Germ cell mutagenicity**

Data on substance: methanol  
Test: OECD Guideline 471  
Organism: Mouse  
No adverse effect observed.

**Carcinogenicity**

No data available.

**Reproductive toxicity**

No data available.

**STOT-single exposure**

May cause drowsiness or dizziness.

**STOT-repeated exposure**



According to EC-Regulation 2015/830

No data available.

**Aspiration hazard**

No data available.

**Long term effects**

This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: headache, dizziness, ringing in ears, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

**SECTION 12: Ecological information**

**12.1. Toxicity**

Substance: methanol

Species: Daphnia

Test: EC50

Duration: 48h

Result: >10000mg/l

Substance: methanol

Species: Fish

Test: NOEC

Duration:

Result: 8530mg/l.d

Substance: methanol

Species: Fish

Test: LC50

Duration: 96h

Result: 15400mg/l

Substance: methanol

Species: Algae

Test: IC50

Duration: 7d

Result: 8000mg/l

Substance: n-butyl acetate

Species: Daphnia

Test: NOEC

Duration: 21d

Result: 23mg/l

Substance: n-butyl acetate

Species: Daphnia

Test: EC50

Duration: 48h

Result: 44mg/l

Substance: n-butyl acetate

Species: Fish

Test: LC50

Duration: 96h

Result: 18mg/l

Substance: n-butyl acetate

Species: Algae

Test: IC50

Duration: 72h

Result: 674,7mg/l

Substance: propan-2-ol

Species: Daphnia

Test: LC50

Duration: 48h

Result: >100 mg/l

Substance: propan-2-ol

Species: Fish

Test: LC50

Duration: 96h

Result: >100 mg/l

Substance: propan-2-ol

According to EC-Regulation 2015/830

Species: Algae  
 Test: EC50  
 Duration: 72h  
 Result: >100mg/l

### 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
methanol	Yes	Closed Bottle Test	99
n-butyl acetate	Yes	Closed Bottle Test	98%
propan-2-ol	Yes	No data available	No data available

### 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
methanol	No	-0.7	10
n-butyl acetate	No	1.81	15
propan-2-ol	No	0.05	No data available

### 12.4. Mobility in soil

methanol: Log Koc= -0.47593, Calculated from LogPow ().  
 n-butyl acetate: Log Koc= 1.511739, Calculated from LogPow (High mobility potential).  
 propan-2-ol: Log Koc= 0.117995, Calculated from LogPow (High mobility potential).

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

### 12.6. Other adverse effects

Nothing special

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

#### Waste

EWC code

-

#### Specific labelling

Not applicable

#### Contaminated packing

Contaminated packaging must be disposed of similarly to the product.

## SECTION 14: Transport information

### 14.1 – 14.4

This product is within scope of the regulations of transport of dangerous goods.

#### ADR/RID

14.1. UN number	1219
14.2. UN proper shipping name	ISOPROPANOL (ISOPROPYL ALCOHOL)
14.3. Transport hazard class(es)	3
14.4. Packing group	II
Notes	-
Tunnel restriction code	D/E

#### IMDG

UN-no.	1219
Proper Shipping Name	ISOPROPANOL (ISOPROPYL ALCOHOL)
Class	3
PG*	II
EmS	F-E, S-D
MP**	No
Hazardous constituent	-

#### IATA/ICAO

UN-no.	1219
Proper Shipping Name	ISOPROPANOL (ISOPROPYL ALCOHOL)
Class	3
PG*	II

### 14.5. Environmental hazards

-

### 14.6. Special precautions for user

-

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

According to EC-Regulation 2015/830

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 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

#### Demands for specific education

-

#### Additional information

Not applicable

#### Seveso

Seveso III Part 1: P5c

Seveso III Part 2: methanol

#### Biocidal reg. no.

Not applicable

#### 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 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

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).

Regulation (EC) 1907/2006 (REACH).

The Control of Major Accident Hazards (COMAH) Regulations 2015.

### 15.2. Chemical safety assessment

No

## SECTION 16: Other information

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

H225 - Highly flammable liquid and vapour.

H226 - Flammable liquid and vapour.

H301 - Toxic if swallowed.

H311 - Toxic in contact with skin.

H319 - Causes serious eye irritation.

H331 - Toxic if inhaled.

H336 - May cause drowsiness or dizziness.

H370 - Causes damage to organs<sup>a</sup>.

EUH066 - Repeated exposure may cause skin dryness or cracking.

#### The full text of identified uses as mentioned in section 1

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#### Additional label elements

Not applicable

#### Other

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:

The classification of the mixture in regard of physical hazards has been based on experimental data.

The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this

According to EC-Regulation 2015/830

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, see section 1)) is marked with a blue triangle.

**The safety data sheet is validated by**

David Löwenstein

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

-

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

-