

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

Polly yteforsterker

**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**

Na

**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**

2021-10-20

**SDS Version**

2.0

### 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

Not classified according to Regulation (EC) No. 1272/2008 (CLP)

### 2.2. Label elements

▼ **Hazard pictogram(s)**

Not applicable

▼ **Signal word**

-

▼ **Hazard statement(s)**

Not applicable

▼ **Precautionary statements**

General	-
Prevention	-
Response	-
Storage	-
Disposal	-

▼ **Identity of the substances primarily responsible for the major health hazards**

Not applicable

▼ **Additional labelling**

According to EC-Regulation 2015/830

Contains 1,2-benzisothiazol-3(2H)-one 1,2-benzisothiazolin-3-one . May produce an allergic reaction. (EUH208).

Safety data sheet available on request. (EUH210)

**Unique formula identifier (UFI)**

JQGD-5F3Q-400D-RNW8

**2.3. Other hazards**

Not applicable

**Additional warnings**

Not applicable

**VOC (volatile organic compound)**

Not applicable

**SECTION 3: Composition/information on ingredients**

**▼3.1/3.2. Substances/Mixtures**

NAME:	2-(2-ethoxyethoxy)ethanol
IDENTIFICATION NOS.:	CAS-no: 111-90-0 EC-no: 203-919-7 REACH-no: 01-2119475105-42
CONTENT:	2.5 - <5%
CLP CLASSIFICATION:	NA

NAME:	1,2-benzisothiazol-3(2H)-one 1,2-benzisothiazolin-3-one
IDENTIFICATION NOS.:	CAS-no: 2634-33-5 EC-no: 220-120-9 REACH-no: 01-2120761540-60 Index-no: 613-088-00-6
CONTENT:	<0.05%
CLP CLASSIFICATION:	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1 H302, H315, H317, H318, H400 (M-acute = 1)

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

**Other information**

ATEmix(oral) > 2000

Detergent:

**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). 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**

Flush eyes with plenty of water (20-30°C) and continue until irritation stops.

**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**

Not applicable

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

This product contains substances that may trigger an allergic reaction to predisposed persons.

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

Nothing special

**Information to medics**

Bring this safety data sheet.

**SECTION 5: Firefighting measures**

According to EC-Regulation 2015/830

### 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

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.

### 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

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.

#### 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

No substances are listed in The Control of Substances Hazardous to Health Regulations with an occupational exposure limit.

#### ▼ DNEL / PNEC

DNEL (2-(2-ethoxyethoxy)ethanol): 50 mg/kg bw/d

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-(2-ethoxyethoxy)ethanol): 37 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-(2-ethoxyethoxy)ethanol): 18 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - Workers

DNEL (2-(2-ethoxyethoxy)ethanol): 25 mg/kg bw/d

Exposure: Dermal

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

DNEL (2-(2-ethoxyethoxy)ethanol): 18.3 mg/m<sup>3</sup>

Exposure: Inhalation

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

DNEL (2-(2-ethoxyethoxy)ethanol): 25 mg/kg bw/d

Exposure: Oral

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

DNEL (2-(2-ethoxyethoxy)ethanol): 9 mg/m<sup>3</sup>

Exposure: Inhalation

According to EC-Regulation 2015/830

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

PNEC (2-(2-ethoxyethoxy)ethanol): 0.74 mg/l  
Exposure: Freshwater

PNEC (2-(2-ethoxyethoxy)ethanol): 0.074 mg/l  
Exposure: Marine water

PNEC (2-(2-ethoxyethoxy)ethanol): 10 mg/l  
Exposure: Intermittent release

PNEC (2-(2-ethoxyethoxy)ethanol): 500 mg/l  
Exposure: Sewage Treatment Plant

PNEC (2-(2-ethoxyethoxy)ethanol): 2.47 mg/kg dw  
Exposure: Freshwater sediment

PNEC (2-(2-ethoxyethoxy)ethanol): 0.247mg/kg dw  
Exposure: Marine water sediment

PNEC (2-(2-ethoxyethoxy)ethanol): 0.15 mg/kg dw  
Exposure: Soil

## 8.2. Exposure controls

- ▼ Control is unnecessary if the product is used as intended.

### General recommendations

- ▼ Smoking, eating and drinking are not allowed in the work premises

### Exposure scenarios

There is no appendix to this safety data sheet.

### Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

### Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

### 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

Use only CE marked protective equipment.

### Respiratory Equipment

No specific requirements.

### ▼ Skin protection

No specific requirements.

### Hand protection

Nitrile rubber

Breakthrough time: > 480 minutes (Class 6)

### ▼ Eye protection

No specific requirements.

## SECTION 9: Physical and chemical properties

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

Form	Liquid
Colour	Gray
Odour	Faint
Odour threshold (ppm)	No data available.
pH	8,5

According to EC-Regulation 2015/830

Viscosity (40°C)	No data available.
Density (g/cm <sup>3</sup> )	1.03
<b>Phase changes</b>	
Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.
<b>Data on fire and explosion hazards</b>	
Flash point (°C)	No data available.
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	No data available.
Explosive properties	No data available.
<b>Solubility</b>	
Solubility in water	Soluble
n-octanol/water coefficient	No data available.
<b>9.2. Other information</b>	
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 "Handling and storage".

### 10.3. Possibility of hazardous reactions

Nothing special

### 10.4. Conditions to avoid

Nothing special

### 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: 1,2-benzisothiazol-3(2H)-one 1,2-benzisothiazolin-3-one

Species: Rat

Test: LD50

Route of exposure: Dermal

Result: >2000 mg/kg engångsdos

Substance: 1,2-benzisothiazol-3(2H)-one 1,2-benzisothiazolin-3-one

Species: Rat

Test: LD50

Route of exposure: Dermal

Result: >2000 mg/kg

Substance: 1,2-benzisothiazol-3(2H)-one 1,2-benzisothiazolin-3-one

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 1020 mg/kg

Substance: 1,2-benzisothiazol-3(2H)-one 1,2-benzisothiazolin-3-one

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 597 mg/kg

Substance: 1,2-benzisothiazol-3(2H)-one 1,2-benzisothiazolin-3-one

Species: Mouse

According to EC-Regulation 2015/830

Test: LD50  
Route of exposure: Oral  
Result: 1150 mg/kg

Substance: 2-(2-ethoxyethoxy)ethanol  
Species: Rabbit  
Test: LD50  
Route of exposure: Dermal  
Result: 9143 mg/kg

Substance: 2-(2-ethoxyethoxy)ethanol  
Species: Mouse  
Test: LD50  
Route of exposure: Oral  
Result: 6031 mg/kg

Substance: 2-(2-ethoxyethoxy)ethanol  
Species: Rat  
Test: LC0  
Route of exposure: Inhalation  
Result: 25 mg/m<sup>3</sup>

**Skin corrosion/irritation**

No data available.

▼ **Serious eye damage/irritation**

No data available.

▼ **Respiratory or skin sensitisation**

This product contains substances that may trigger an allergic reaction to predisposed persons.

**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**

Nothing special

**SECTION 12: Ecological information**

▼ **12.1. Toxicity**

Substance: 1,2-benzisothiazol-3(2H)-one 1,2-benzisothiazolin-3-one  
Species: Daphnia  
Test: EC50  
Duration: 48 h  
Result: 2.44 mg/l

Substance: 1,2-benzisothiazol-3(2H)-one 1,2-benzisothiazolin-3-one  
Species: Fish  
Test: LC50  
Duration: 96 h  
Result: 0.74 mg/l

Substance: 2-(2-ethoxyethoxy)ethanol  
Species: Fish  
Test: LC50  
Duration: 96h  
Result: 6010 mg/l

Substance: 2-(2-ethoxyethoxy)ethanol  
Species: Daphnia  
Test: LC50  
Duration: 48h  
Result: 1982 mg/l

Substance: 2-(2-ethoxyethoxy)ethanol  
Species: Algae  
Test: EC50  
Duration: 96h  
Result: >100 mg/l

According to EC-Regulation 2015/830

<b>▼ 12.2. Persistence and degradability</b>			
<b>Substance</b> 1,2-benzisothiazol-3(2H)-one ... 2-(2-ethoxyethoxy)ethanol	<b>Biodegradability</b> Yes Yes	<b>Test</b> No data available CO2 Evolution Test	<b>Result</b> No data available 79.4%
<b>▼ 12.3. Bioaccumulative potential</b>			
<b>Substance</b> 1,2-benzisothiazol-3(2H)-one ... 2-(2-ethoxyethoxy)ethanol	<b>Potential bioaccumulation</b> No No	<b>LogPow</b> No data available -0.54	<b>BCF</b> No data available 3
<b>▼ 12.4. Mobility in soil</b> 2-(2-ethoxyethoxy)ethanol: Log Koc= -0.349226, Calculated from LogPow ().			
<b>12.5. Results of PBT and vPvB assessment</b> This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.			
<b>12.6. Other adverse effects</b> This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.			

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.

##### Waste

EWC code  
161002

##### Specific labelling

Not applicable

##### ▼ Contaminated packing

No specific requirements.

### SECTION 14: Transport information

#### 14.1 – 14.4

Not dangerous goods according to ADR, IATA and IMDG.

##### 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 Marpol 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

According to EC-Regulation 2015/830

-

**Demands for specific education**

-

**Additional information**

Not applicable

**Seveso**

-

**Biocidal reg. no.**

Not applicable

**Sources**

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).

**15.2. Chemical safety assessment**

No

**SECTION 16: Other information**

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

H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H400 - Very toxic to aquatic life.

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

-

**Additional label elements**

Not applicable

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

**The safety data sheet is validated by**

Viktoria Evaldsson

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

2020-09-24(1.0)

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

2020-09-24