

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Banana Shield

Product no.

172

Unique formula identifier (UFI)

281E-65AK-2A9V-CV36

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

Relevant identified uses of the substance or mixture

Brightener

Uses advised against

No special

1.3. Details of the supplier of the safety data sheet

Company and address

Blue & Green AB

Stenorsvägen 52

261 44 Landskrona

Sweden

+46 418 399000

www.blueandgreen.se

E-mail

info@blueandgreen.se

Revision

01-02-2022

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. 3; H226, Flammable liquid and vapour.

Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram(s)



Signal word

Warning

Hazard statement(s)

Flammable liquid and vapour. (H226)

Harmful to aquatic life with long lasting effects. (H412)

Safety statement(s)

General

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

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Keep out of reach of children. (P102)

Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)

Response

In case of fire: Use water mist/carbon dioxide/alcohol-resistant foam to extinguish. (P370+P378)

Storage

Store in a well-ventilated place. Keep cool. (P403+P235)

Disposal

Dispose of contents/container to an approved waste disposal plant. (P501)

Hazardous substances

propan-2-ol

2.3. Other hazards

Additional labelling

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

Additional warnings

This product contains a vPvB and/or PBT substance:

Decamethylcyclopentasiloxane (PBT)

Dodecamethylcyclohexasiloxane (PBT)

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
propan-2-ol	CAS No.: 67-63-0 EC No.: 200-661-7 REACH: Index No.: 603-117-00-0	5-10%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	
Polydimethylsiloxane, diquaternary	CAS No.: 134737-05-6 EC No.: REACH: Index No.:	1-3%	Aquatic Chronic 2, H411	
(2-methoxymethylethoxy)propanol	CAS No.: 34590-94-8 EC No.: 252-104-2 REACH: 01-2119450011-60 Index No.:	1-3%		[1]
Decamethylcyclopentasiloxane	CAS No.: 541-02-6 EC No.: 208-764-9 REACH: 01-2119511367-43-0000 Index No.:	<1%		[3], [5], [6], [7]
Dodecamethylcyclohexasiloxane	CAS No.: 540-97-6	<1%		[5], [6],

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

	EC No.: 208-762-8		[7]
	REACH: 01-2119517435-42		
	Index No.:		
1,2-benzisothiazol-3(2H)-one	CAS No.: 2634-33-5	<0.05%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 (SCL: 0.05 %) Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=1)
	EC No.: 220-120-9		
	REACH:		
	Index No.: 613-088-00-6		

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.			
Other information			
[1] European occupational exposure limit			
[3] According to UK REACH, Annex XVII, the substance is subject to restrictions.			
[5] Substance is included in the Candidate List of substances of very high concern (SVHC).			
[6] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII			
[6] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII			
[7] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII			
[7] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII			

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 persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

IF ON SKIN: Wash with plenty of water and soap. Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. If skin irritation occurs: Get medical advice/attention.

Eye contact

Upon irritation of the eye: Remove contact lenses and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least 5 minutes. Seek medical assistance and 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 pain stops then continue to rinse for 30 minutes.

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

No special

Information to medics

Bring this safety data sheet or the label from this product.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. 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

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 on "Disposal considerations" in regard of handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ground and bond container and receiving equipment.

Use explosion-proof [electrical / lighting / ventilating]equipment.

Use non-sparking tools.

Take action to prevent static discharges.

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Take action to prevent static discharges.

Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Recommended storage material

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

Storage temperature

Dry, cool and well ventilated

Incompatible materials

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

7.3. Specific end use(s)

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

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

—
propan-2-ol
Long term exposure limit (8 hours) (ppm): 400
Long term exposure limit (8 hours) (mg/m³): 999
Short term exposure limit (15 minutes) (ppm): 500
Short term exposure limit (15 minutes) (mg/m³): 1250

—
(2-methoxymethylethoxy)propanol
Long term exposure limit (8 hours) (ppm): 50
Long term exposure limit (8 hours) (mg/m³): 308

Annotations:

Sk = Can be absorbed through the skin and lead to systemic toxicity.

—
2-(2-butoxyethoxy)ethanol
Long term exposure limit (8 hours) (ppm): 10
Long term exposure limit (8 hours) (mg/m³): 67,5
Short term exposure limit (15 minutes) (ppm): 15
Short term exposure limit (15 minutes) (mg/m³): 101,2

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL

Product/substance	propan-2-ol
DNEL	319 mg/kg bw/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - General population

Product/substance	propan-2-ol
DNEL	89 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population

Product/substance	propan-2-ol
DNEL	26 mg/kg bw/day
Route of exposure	Oral
Duration	Long term – Systemic effects - General population

Product/substance	propan-2-ol
DNEL	888 mg/kg bw/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers

Product/substance	propan-2-ol
DNEL	500 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers

Product/substance	(2-methoxymethylethoxy)propanol
DNEL	283 mg/kg bw/day

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers
Product/substance	(2-methoxymethylethoxy)propanol
DNEL	308 mg/kg
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers
Product/substance	(2-methoxymethylethoxy)propanol
DNEL	121 mg/kg bw/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - General population
Product/substance	(2-methoxymethylethoxy)propanol
DNEL	37.2 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population
Product/substance	(2-methoxymethylethoxy)propanol
DNEL	36 mg/kg bw/day
Route of exposure	Oral
Duration	Long term – Systemic effects - General population
Product/substance	2-(2-butoxyethoxy)ethanol
DNEL	67.5 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Local effects - Workers
Product/substance	2-(2-butoxyethoxy)ethanol
DNEL	6,25 mg/kg bw/day
Route of exposure	Oral
Duration	Long term – Systemic effects - General population
Product/substance	2-(2-butoxyethoxy)ethanol
DNEL	101.2 mg/m ³
Route of exposure	Inhalation
Duration	Short term – Local effects - Workers
PNEC	
Product/substance	propan-2-ol
PNEC	552 mg/kg
Route of exposure	Marine water sediment
Duration of Exposure	
Product/substance	propan-2-ol
PNEC	140.9 mg/L
Route of exposure	Freshwater
Duration of Exposure	
Product/substance	propan-2-ol

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

PNEC	28 mg/kg
Route of exposure	Soil
Duration of Exposure	
Product/substance	propan-2-ol
PNEC	140.9 mg/L
Route of exposure	Marine water
Duration of Exposure	
Product/substance	propan-2-ol
PNEC	140.9 mg/L
Route of exposure	Intermittent release
Duration of Exposure	
Product/substance	propan-2-ol
PNEC	2251 mg/L
Route of exposure	Sewage treatment plant
Duration of Exposure	
Product/substance	propan-2-ol
PNEC	552 mg/kg
Route of exposure	Freshwater sediment
Duration of Exposure	
Product/substance	(2-methoxymethylethoxy)propanol
PNEC	19 mg/L
Route of exposure	Freshwater
Duration of Exposure	
Product/substance	(2-methoxymethylethoxy)propanol
PNEC	1.9 mg/L
Route of exposure	Marine water
Duration of Exposure	
Product/substance	(2-methoxymethylethoxy)propanol
PNEC	190 mg/L
Route of exposure	Intermittent release
Duration of Exposure	
Product/substance	(2-methoxymethylethoxy)propanol
PNEC	70.2 mg/kg
Route of exposure	Freshwater sediment
Duration of Exposure	
Product/substance	(2-methoxymethylethoxy)propanol
PNEC	7.02 mg/kg
Route of exposure	Marine water sediment
Duration of Exposure	
Product/substance	(2-methoxymethylethoxy)propanol

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

PNEC	2.74 mg/kg
Route of exposure	Soil
Duration of Exposure	
Product/substance	(2-methoxymethylethoxy)propanol
PNEC	4168 mg/L
Route of exposure	Sewage treatment plant
Duration of Exposure	
Product/substance	2-(2-butoxyethoxy)ethanol
PNEC	0.44 mg/kg dw
Route of exposure	Marine water sediment
Duration of Exposure	
Product/substance	2-(2-butoxyethoxy)ethanol
PNEC	4.4 mg/kg dw
Route of exposure	Freshwater sediment
Duration of Exposure	
Product/substance	2-(2-butoxyethoxy)ethanol
PNEC	1.1 mg/L
Route of exposure	Freshwater
Duration of Exposure	
Product/substance	2-(2-butoxyethoxy)ethanol
PNEC	0.11 mg/L
Route of exposure	Marine water
Duration of Exposure	
Product/substance	2-(2-butoxyethoxy)ethanol
PNEC	11 mg/L
Route of exposure	Intermittent release
Duration of Exposure	
Product/substance	2-(2-butoxyethoxy)ethanol
PNEC	0.32 mg/kg dw
Route of exposure	Soil
Duration of Exposure	

8.2. Exposure controls

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

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

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

Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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

Use only CE marked protective equipment.

No specific requirements

Respiratory Equipment


No specific requirements

Skin protection

No specific requirements


Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	-	> 480	EN374-2, EN374-3, EN388



Eye protection

Type	Standards
Safety glasses with side shields.	EN166



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Yellowish

Odour / Odour threshold

Banana

pH

4.5

Density (g/cm³)

0.985

Kinematic viscosity

Testing not relevant or not possible due to nature of the product.

Particle characteristics

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C)

Testing not relevant or not possible due to nature of the product.

Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

Boiling point (°C)

Testing not relevant or not possible due to nature of the product.

Vapour pressure

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Testing not relevant or not possible due to nature of the product.

Relative vapour density

Testing not relevant or not possible due to nature of the product.

Decomposition temperature (°C)

Testing not relevant or not possible due to nature of the product.

Data on fire and explosion hazards

Flash point (°C)

42

Ignition (°C)

Testing not relevant or not possible due to nature of the product.

Auto flammability (°C)

Testing not relevant or not possible due to nature of the product.

Lower and upper explosion limit (% v/v)

Testing not relevant or not possible due to nature of the product.

Solubility

Solubility in water

Soluble

n-octanol/water coefficient

Testing not relevant or not possible due to nature of the product.

Solubility in fat (g/L)

Testing not relevant or not possible due to nature of the product.

9.2. Other information

Other physical and chemical parameters

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 section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

No 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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/substance	propan-2-ol
Test method	OECD 401
Species	Rat
Route of exposure	Oral
Test	LD50
Result	5840 mg/kg
Other information	

Product/substance	propan-2-ol
Test method	OECD 403

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	>25 mg/L
Other information	
Product/substance	propan-2-ol
Test method	OECD 402
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	13900 mg/kg
Other information	
Product/substance	(2-methoxymethylethoxy)propanol
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>5000 mg/kg
Other information	
Product/substance	(2-methoxymethylethoxy)propanol
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	9510 mg/kg
Other information	
Product/substance	(2-methoxymethylethoxy)propanol
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	3.35 mg/L
Other information	
Product/substance	2-(2-butoxyethoxy)ethanol
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>2000 mg/kg
Other information	
Product/substance	2-(2-butoxyethoxy)ethanol
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Result	2764 mg/kg
Other information	
Product/substance	2-(2-butoxyethoxy)ethanol
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	>29 ppm
Other information	
Product/substance	2-(2-butoxyethoxy)ethanol
Test method	
Species	Mouse
Route of exposure	Oral
Test	LD50
Result	2410 mg/kg
Other information	
Product/substance	Decamethylcyclopentasiloxane
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>5000 mg/kg
Other information	
Product/substance	Decamethylcyclopentasiloxane
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>2000 mg/kg
Other information	
Product/substance	Decamethylcyclopentasiloxane
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50 (4 hours)
Result	8.67 mg/L
Other information	
Product/substance	1,2-benzisothiazol-3(2H)-one
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	>2000 mg/kg
Other information	

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Product/substance	1,2-benzisothiazol-3(2H)-one
Test method	
Species	Mouse
Route of exposure	Oral
Test	LD50
Result	1150 mg/kg
Other information	

Product/substance	1,2-benzisothiazol-3(2H)-one
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	597 mg/kg
Other information	

Product/substance	1,2-benzisothiazol-3(2H)-one
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	>2000 mg/kg engångsdos ·
Other information	

Product/substance	1,2-benzisothiazol-3(2H)-one
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	1020 mg/kg ·
Other information	

Skin corrosion/irritation

Product/substance	2-(2-butoxyethoxy)ethanol
Test method	OECD 404
Species	Rabbit
Duration	
Result	No adverse effect observed (Not irritating)
Other information	

Serious eye damage/irritation

Product/substance	2-(2-butoxyethoxy)ethanol
Test method	OECD 404
Species	Rabbit
Duration	
Result	Adverse effect observed (Irritating)
Other information	

Respiratory sensitisation

Based on available data, the classification criteria are not met.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Skin sensitisation

Product/substance	2-(2-butoxyethoxy)ethanol
Test method	OECD 406
Species	Guinea pig
Result	No adverse effect observed (not sensitising)
Other information	

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects

No special

Endocrine disrupting properties

No special

Other information

propan-2-ol has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	propan-2-ol
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	>100 mg/L
Other information	

Product/substance	propan-2-ol
Test method	
Species	Algae
Compartment	
Duration	8 d
Test	LOEC
Result	1000 mg/L
Other information	

Product/substance	propan-2-ol
Test method	
Species	Daphnia, Daphnia magna
Compartment	

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Duration	48 hours
Test	LC50
Result	>100 mg/L
Other information	
Product/substance	propan-2-ol
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	>100 mg/L
Other information	
Product/substance	(2-methoxymethylethoxy)propanol
Test method	
Species	Fish, <i>Poecilia reticulata</i>
Compartment	
Duration	96 hours
Test	LC50
Result	>1000 mg/L
Other information	
Product/substance	(2-methoxymethylethoxy)propanol
Test method	
Species	Daphnia, <i>Daphnia magna</i>
Compartment	
Duration	48 hours
Test	EC50
Result	1919 mg/L
Other information	
Product/substance	(2-methoxymethylethoxy)propanol
Test method	
Species	Daphnia, <i>Daphnia magna</i>
Compartment	
Duration	22 d
Test	NOEC
Result	0.5 mg/L
Other information	
Product/substance	(2-methoxymethylethoxy)propanol
Test method	
Species	Algae, <i>Pseudokirchneriella subcapitata</i>
Compartment	
Duration	72 hours
Test	EC50
Result	>969 mg/L
Other information	
Product/substance	2-(2-butoxyethoxy)ethanol

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Test method
 Species Fish, *Leuciscus idus*
 Compartment
 Duration 96 hours
 Test LC50
 Result >100 mg/L
 Other information

Product/substance 2-(2-butoxyethoxy)ethanol
 Test method
 Species Algae, *Scenedesmus subspicatus*
 Compartment
 Duration 96 hours
 Test EC50
 Result >100 mg/L
 Other information

Product/substance 2-(2-butoxyethoxy)ethanol
 Test method
 Species Daphnia, *Daphnia magna*
 Compartment
 Duration 48 hours
 Test EC50
 Result >100 mg/L
 Other information

Product/substance 1,2-benzisothiazol-3(2H)-one
 Test method
 Species Daphnia, *Daphnia magna*
 Compartment
 Duration 48 hours
 Test EC50
 Result 2.44 mg/L
 Other information

Product/substance 1,2-benzisothiazol-3(2H)-one
 Test method
 Species Fish
 Compartment
 Duration 96 hours
 Test LC50
 Result 0.74 mg/L
 Other information

12.2. Persistence and degradability

Product/substance propan-2-ol
 Biodegradable Yes
 Test method
 Result

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Product/substance	(2-methoxymethylethoxy)propanol
Biodegradable	Yes
Test method	OECD 301 F
Result	75%

Product/substance	2-(2-butoxyethoxy)ethanol
Biodegradable	Yes
Test method	OECD 301 E
Result	100%

12.3. Bioaccumulative potential

Product/substance	propan-2-ol
Test method	
Potential bioaccumulation	No
LogPow	0.0500
BCF	No data available
Other information	

Product/substance	(2-methoxymethylethoxy)propanol
Test method	
Potential bioaccumulation	No
LogPow	0.0060
BCF	No data available
Other information	

Product/substance	2-(2-butoxyethoxy)ethanol
Test method	
Potential bioaccumulation	No
LogPow	1.0000
BCF	No data available
Other information	

Product/substance	Decamethylcyclopentasiloxane
Test method	
Potential bioaccumulation	Yes
LogPow	8.0230
BCF	No data available
Other information	

Product/substance	1,2-benzisothiazol-3(2H)-one
Test method	
Potential bioaccumulation	No
LogPow	1.4
BCF	No data available
Other information	

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

12.4. Mobility in soil

(2-methoxymethylethoxy)propanol
LogKoc = 0.28, High mobility potential.

12.5. Results of PBT and vPvB assessment

This product contains a vPvB and/or PBT substance:
Decamethylcyclopentasiloxane (PBT)
Dodecamethylcyclohexasiloxane (PBT)

12.6. Endocrine disrupting properties

No special

12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.
This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.
To the extent the material has not been subject to regular tests of peroxide formation the waste shall be treated as explosive waste.
HP 3 - Flammable
Dispose of contents/container to an approved waste disposal plant.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code

07 06 04* Other organic solvents, washing liquids and mother liquors

Specific labelling

Not applicable

Contaminated packing

Packaging containing residues of the product 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

UN- or ID number	UN proper shipping name	Labels	Packing group	Tunnel restriction code
UN1993	FLAMMABLE LIQUID, N.O.S. (propan-2-ol)	3	III	3(D/E)

IMDG

UN- or ID number	UN proper shipping name	Labels	Packing group	EmS
UN1993	FLAMMABLE LIQUID, N.O.S. (propan-2-ol)	3	III	F-E, S-E

MARINE POLLUTANT

No

IATA

UN- or ID number	UN proper shipping name	Labels	Packing group
UN1993	FLAMMABLE LIQUID, N.O.S. (propan-2-ol)	3	III

14.5. Environmental hazards

Not applicable

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

14.6. Special precautions for user

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

Restrictions for application

No special

Demands for specific education

No specific requirements

SEVESO - Categories / dangerous substances

P5c - FLAMMABLE LIQUIDS, Qualifying quantity (lower-tier): 5.000 tonnes / (upper-tier): 50.000 tonnes

Additional information

Not applicable

Sources

The Health and Safety at Work etc. Act 1974 Regulations 2013.

Control of Major Accident Hazards (COMAH) Regulations 2015.

[3] According to UK REACH, Annex XVII, the substance is subject to restrictions.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

[6] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[6] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[7] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[7] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

CLP Regulation (EC) No 1272/2008, as retained and amended in UK law.

EC-Regulation 1907/2006 (REACH), as amended by UK REACH Regulations SI 2019/758

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.

H302, Harmful if swallowed.

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

H336, May cause drowsiness or dizziness.

H400, Very toxic to aquatic life.

H411, Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

EUH statement = CLP-specific Hazard statement
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit.
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVCB = Complex hydrocarbon substance
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

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

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

The safety data sheet is validated by

Åsa Möller

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

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.

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.

Country-language: GB-en