

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Ironman Neutral

Product no.

295

Unique formula identifier (UFI)

5HMN-UV8U-099A-GSWM

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

Relevant identified uses of the substance or mixture

Cleaning liquid

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

11-01-2022

SDS Version

2.0

Date of previous version

2021-12-01 (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

Acute Tox. 4; H302, Harmful if swallowed.

Skin Sens. 1; H317, May cause an allergic skin reaction.

2.2. Label elements

Hazard pictogram(s)



Signal word

Warning

Hazard statement(s)

Harmful if swallowed. (H302)

May cause an allergic skin reaction. (H317)

Safety statement(s)

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

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 / protective gloves. (P280)

Response

IF ON SKIN: Wash with plenty of water / water and soap. (P302+P352)

If skin irritation or rash occurs: Get medical advice/attention. (P333+P313)

Storage

-

Disposal

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

Hazardous substances

Sodium mercaptoacetate

(R)-p-mentha-1,8-diene

Citral

2.3. Other hazards

Additional labelling

Not applicable

Additional warnings

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

SECTION 3: Composition/information on ingredients

▼ 3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Sodium mercaptoacetate	CAS No.: 367-51-1 EC No.: 206-696-4 REACH: 01-2119968564-24 Index No.:	10-15%	Met. Corr. 1, H290 Acute Tox. 3, H301 Acute Tox. 4, H312 Skin Sens. 1, H317	
2-(2-butoxyethoxy)ethanol	CAS No.: 112-34-5 EC No.: 203-961-6 REACH: 01-2119475104-44 Index No.: 603-096-00-8	3-5%	Eye Irrit. 2, H319	[1], [3]
Sodium p-cumenesulphonate	CAS No.: 15763-76-5 EC No.: 239-854-6 REACH: 01-2119489411-37 Index No.:	1-3%	Eye Irrit. 2, H319	
(R)-p-mentha-1,8-diene	CAS No.: 5989-27-5 EC No.: 227-813-5 REACH: 01-2119529223-47 Index No.: 601-029-00-7	<1%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 3, H412	[9]

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

Citral	CAS No.: 5392-40-5	<1%	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319	[9]
	EC No.: 226-394-6			
	REACH: 01-2119462829-23			
	Index No.: 605-019-00-3			

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.				
[9] Identified by EU as one of 26 specific fragrance ingredients, known to cause allergic contact dermatitis (Regulation (EC) No 1223/2009 on cosmetic products)				
Labelling of contents according to Detergents Regulation (EC) No 648/2004				
< 5%				
· Anionic surfactants				
· Perfumes (D-LIMONENE)				
· Perfumes (CITRAL)				

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 / 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

In the case of ingestion, contact a doctor immediately. 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 to prevent vomit returning mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

Burns

Not applicable

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact.

Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

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

If skin irritation or rash occurs: Get medical advice/attention.

Information to medics

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

SECTION 5: Firefighting measures

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

5.1. Extinguishing media

Not applicable

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.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Sulphur oxides.

Carbon oxides (CO / CO₂).

Some metal oxides.

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 direct contact with spilled substances.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

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

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.

Recommended storage material

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

Storage temperature

Room temperature 18 to 23°C

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

SECTION 8: Exposure controls/personal protection

▼ 8.1. Control parameters

—
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

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

Short term exposure limit (15 minutes) (mg/m³): 101,2

— propane-1,2-diol

Long term exposure limit (8 hours) (ppm): 150(total)

Long term exposure limit (8 hours) (mg/m³): 474(total)/10(particulates)

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	Sodium mercaptoacetate
DNEL	1.41 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers

Product/substance	Sodium mercaptoacetate
DNEL	2.06 mg/kgbw
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers

Product/substance	2-(2-butoxyethoxy)ethanol
DNEL	6,25 mg/kg/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

Product/substance	2-(2-butoxyethoxy)ethanol
DNEL	67.5 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Local effects - Workers

Product/substance	Sodium p-cumenesulphonate
DNEL	3.8 mg/kg/day
Route of exposure	Oral
Duration	Long term – Systemic effects - General population

Product/substance	Sodium p-cumenesulphonate
DNEL	6.6 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population

Product/substance	Sodium p-cumenesulphonate
DNEL	0.048 mg/cm ²
Route of exposure	Dermal
Duration	Long term – Local effects - General population

Product/substance	Sodium p-cumenesulphonate
DNEL	68.1 mg/kg/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 - General population
Product/substance	Sodium p-cumenesulphonate
DNEL	0.096 mg/cm ²
Route of exposure	Dermal
Duration	Long term – Local effects - Workers
Product/substance	Sodium p-cumenesulphonate
DNEL	26.9 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers
Product/substance	Sodium p-cumenesulphonate
DNEL	136.25 mg/kg/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers
Product/substance	propane-1,2-diol
DNEL	168 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers
Product/substance	propane-1,2-diol
DNEL	10 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Local effects - Workers
Product/substance	propane-1,2-diol
DNEL	50 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population
Product/substance	propane-1,2-diol
DNEL	10 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Local effects - General population
▼ PNEC	
Product/substance	Sodium mercaptoacetate
PNEC	0.038 mg/L
Route of exposure	Freshwater
Duration of Exposure	
Product/substance	Sodium mercaptoacetate
PNEC	0.0038 mg/L
Route of exposure	Marine water
Duration of Exposure	
Product/substance	2-(2-butoxyethoxy)ethanol

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

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	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	
Product/substance	2-(2-butoxyethoxy)ethanol
PNEC	1.1 mg/L
Route of exposure	Freshwater
Duration of Exposure	
Product/substance	Sodium p-cumenesulphonate
PNEC	0,23 mg/L
Route of exposure	Freshwater
Duration of Exposure	
Product/substance	Sodium p-cumenesulphonate
PNEC	0.023 mg/L
Route of exposure	Marine water
Duration of Exposure	
Product/substance	Sodium p-cumenesulphonate
PNEC	2.3 mg/L
Route of exposure	Intermittent release
Duration of Exposure	
Product/substance	Sodium p-cumenesulphonate
PNEC	100 mg/L
Route of exposure	Sewage treatment plant
Duration of Exposure	
Product/substance	Sodium p-cumenesulphonate

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

PNEC	0.862 mg/kg dw
Route of exposure	Freshwater sediment
Duration of Exposure	
Product/substance	Sodium p-cumenesulphonate
PNEC	0.0862 mg/kg dw
Route of exposure	Marine water sediment
Duration of Exposure	
Product/substance	Sodium p-cumenesulphonate
PNEC	0.037 mg/kg
Route of exposure	Soil
Duration of Exposure	
Product/substance	Sodium p-cumenesulphonate
PNEC	2.3 mg/L
Route of exposure	Intermittent release
Duration of Exposure	
Product/substance	propane-1,2-diol
PNEC	260 mg/L
Route of exposure	Freshwater
Duration of Exposure	
Product/substance	propane-1,2-diol
PNEC	20000 mg/L
Route of exposure	Sewage treatment plant
Duration of Exposure	
Product/substance	propane-1,2-diol
PNEC	572 mg/kg dw
Route of exposure	Freshwater sediment
Duration of Exposure	
Product/substance	propane-1,2-diol
PNEC	57.2 mg/kg dw
Route of exposure	Marine water sediment
Duration of Exposure	
Product/substance	propane-1,2-diol
PNEC	50 mg/kg dw
Route of exposure	Soil
Duration of Exposure	
Product/substance	propane-1,2-diol
PNEC	183 mg/l
Route of exposure	Intermittent release
Duration of Exposure	-
Product/substance	propane-1,2-diol

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

PNEC 26 mg/L
Route of exposure Marine water
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 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.

Respiratory Equipment

Type	Class	Colour	Standards
No specific requirements	-	-	-

▼ Skin protection

Recommended	Type/Category	Standards
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

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

Physical state

Liquid

Colour

Red

Odour / Odour threshold

Characteristic

pH

7,5

▼ Density (g/cm³)

1.07

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

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)

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

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

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

10.4. Conditions to avoid

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

▼ Acute toxicity

Product/substance	Sodium mercaptoacetate
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	50-200 mg/kg
Other information	

Product/substance	Sodium mercaptoacetate
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	1000-2000 mg/kg
Other information	

Product/substance	Sodium mercaptoacetate
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>300 mg/kg
Other information	46% Sodium mercaptoacetate

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
Result	2764 mg/kg
Other information	

Product/substance	2-(2-butoxyethoxy)ethanol
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According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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	Sodium p-cumenesulphonate
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>2000 mg/kg ·
Other information	
Product/substance	Sodium p-cumenesulphonate
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	>5 mg/l. 232min ·
Other information	
Product/substance	Sodium p-cumenesulphonate
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>5000 mg/kg ·
Other information	
Product/substance	(R)-p-mentha-1,8-diene
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>5000 mg/kg
Other information	
Product/substance	(R)-p-mentha-1,8-diene
Test method	
Species	Rat
Route of exposure	Oral

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

Test	LD50
Result	4400 mg/kg
Other information	
Product/substance	propane-1,2-diol
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	22000 mg/kg
Other information	
Product/substance	propane-1,2-diol
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>2000 mg/kg
Other information	
Product/substance	propane-1,2-diol
Test method	
Species	Rabbit
Route of exposure	Inhalation
Test	LC50 (2 hours)
Result	>317042 mg/m ³
Other information	
Product/substance	Citral
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	6800 mg/kg
Other information	
Product/substance	Citral
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	2250 mg/kg
Other information	
Harmful if swallowed.	
Skin corrosion/irritation	
Product/substance	2-(2-butoxyethoxy)ethanol
Test method	OECD 404
Species	Rabbit
Duration	

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

Result	No adverse effect observed (Not irritating)
Other information	

Product/substance	Sodium p-cumenesulphonate
Test method	OECD 404
Species	Rabbit
Duration	
Result	Adverse effect observed (Slightly 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	

Product/substance	Sodium p-cumenesulphonate
Test method	OECD 405
Species	Rabbit
Duration	
Result	Adverse effect observed (Moderately irritating)
Other information	

Respiratory sensitisation

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

Skin sensitisation

Product/substance	Sodium mercaptoacetate
Test method	OECD 429
Species	Mouse
Result	Adverse effect observed (sensitising)
Other information	

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.

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

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

(R)-p-mentha-1,8-diene has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological information

▼ 12.1. Toxicity

Product/substance	Sodium mercaptoacetate
Test method	
Species	Daphnia, Daphnia magna
Compartment	
Duration	48 hours
Test	EC50
Result	38 mg/L
Other information	

Product/substance	Sodium mercaptoacetate
Test method	
Species	Algae, Pseudokirchneriella subcapitata
Compartment	
Duration	72 hours
Test	EC50
Result	13 mg/L
Other information	

Product/substance	Sodium mercaptoacetate
Test method	
Species	Fish, Oncorhynchus mykiss
Compartment	
Duration	96 hours
Test	LC50
Result	>100 mg/L
Other information	

Product/substance	2-(2-butoxyethoxy)ethanol
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

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

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	Sodium p-cumenesulphonate
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	>100 mg/l ·
Other information	
Product/substance	Sodium p-cumenesulphonate
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	>100 mg/l ·
Other information	
Product/substance	Sodium p-cumenesulphonate
Test method	
Species	Algae
Compartment	
Duration	96 hours
Test	EC50
Result	>100 mg/l ·
Other information	
Product/substance	(R)-p-mentha-1,8-diene
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	0.8 mg/L
Other information	

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

Product/substance (R)-p-mentha-1,8-diene

Test method

Species Daphnia

Compartment

Duration 48 hours

Test EC50

Result 69.6 mg/L

Other information

Product/substance propane-1,2-diol

Test method

Species Algae, Pseudokirchneriella subcapitata

Compartment

Duration 96 hours

Test ErC50

Result 19000 mg/L

Other information

Product/substance propane-1,2-diol

Test method

Species Fish, Oncorhynchus mykiss

Compartment

Duration 96 hours

Test LC50

Result 40613 mg/L

Other information

Product/substance propane-1,2-diol

Test method

Species Daphnia, Ceriodaphnia dubia

Compartment

Duration 48 hours

Test EC50

Result 18340 mg/L

Other information

Product/substance Citral

Test method

Species Daphnia

Compartment

Duration 48 hours

Test EC50

Result 6.8 mg/L

Other information

Product/substance Citral

Test method

Species Fish

Compartment

Duration 96 hours

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

Test	LC50
Result	4.6 mg/L
Other information	
<hr/>	
Product/substance	Citral
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	IC50
Result	103.8 mg/L
Other information	

▼ 12.2. Persistence and degradability

Product/substance	Sodium mercaptoacetate
Biodegradable	Yes
Test method	OECD 301 D
Result	
<hr/>	
Product/substance	2-(2-butoxyethoxy)ethanol
Biodegradable	Yes
Test method	OECD 301 E
Result	100%
<hr/>	
Product/substance	Sodium p-cumenesulphonate
Biodegradable	Yes
Test method	OECD 301 B
Result	>60%
<hr/>	
Product/substance	(R)-p-mentha-1,8-diene
Biodegradable	No
Test method	
Result	
<hr/>	
Product/substance	propane-1,2-diol
Biodegradable	Yes
Test method	OECD 301 F
Result	81%
<hr/>	
Product/substance	Citral
Biodegradable	Yes
Test method	OECD 301 C
Result	85-95%

▼ 12.3. Bioaccumulative potential

Product/substance	Sodium mercaptoacetate
Test method	
Potential bioaccumulation	No

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

LogPow	-2.9900
BCF	No data available
Other information	
<hr/>	
Product/substance	2-(2-butoxyethoxy)ethanol
Test method	
Potential bioaccumulation	No
LogPow	1.0000
BCF	No data available
Other information	
<hr/>	
Product/substance	Sodium p-cumenesulphonate
Test method	
Potential bioaccumulation	No
LogPow	No data available
BCF	No data available
Other information	
<hr/>	
Product/substance	(R)-p-mentha-1,8-diene
Test method	
Potential bioaccumulation	Yes
LogPow	5.3000
BCF	No data available
Other information	
<hr/>	
Product/substance	propane-1,2-diol
Test method	
Potential bioaccumulation	No
LogPow	-1.0700
BCF	No data available
Other information	
<hr/>	
Product/substance	Citral
Test method	
Potential bioaccumulation	No
LogPow	No data available
BCF	89.72
Other information	
<hr/>	
12.4. Mobility in soil	
No data available	
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. Endocrine disrupting properties	
No special	
▼ 12.7. Other adverse effects	

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

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 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 6 - Acute toxicity

HP 13 - Sensitising

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.

Not dangerous goods according to ADR, IATA and IMDG.

ADR/RID

Not applicable

IMDG

Not applicable

MARINE POLLUTANT

No

IATA

Not applicable

14.5. Environmental hazards

Not applicable

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

People under the age of 18 shall not be exposed to this product.

Demands for specific education

No specific requirements

SEVESO - Categories / dangerous substances

Not applicable

Additional information

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Tactile warning.

▼ Sources

The Management of Health and Safety at Work Regulations 1999

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

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

[3] According to UK REACH, Annex XVII, the substance is subject to restrictions.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste.
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

H226, Flammable liquid and vapour.
H290, May be corrosive to metals.
H301, Toxic if swallowed.
H304, May be fatal if swallowed and enters airways.
H312, Harmful in contact with skin.
H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H319, Causes serious eye irritation.
H400, Very toxic to aquatic life.
H412, Harmful 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
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

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

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

▼ 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