

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Train Wash Neutral

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

2020-11-27

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

Acute Tox. 4; H302
Skin Sens. 1; H317
See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)



Signal word

Warning

Hazard statement(s)

Harmful if swallowed. (H302)
May cause an allergic skin reaction. (H317)

Precautionary statements

According to EC-Regulation 2015/830

General	If medical advice is needed, have product container or label at hand. (P101). Keep out of reach of children. (P102).
Prevention	Wash hands/exposed skin thoroughly after handling. (P264). Wear protective gloves/eye protection. (P280).
Response	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).

Identity of the substances primarily responsible for the major health hazards

sodium mercaptoacetate; (R)-p-mentha-1,8-dien, citral

Additional labelling

Not applicable

Unique formula identifier (UFI)

QGRS-KPV8-M00A-RX7Q

2.3. Other hazards

Not applicable

Additional warnings

Tactile warning.

VOC (volatile organic compound)

Not applicable

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

NAME:	sodium mercaptoacetate
IDENTIFICATION NOS.:	CAS-no: 367-51-1 EC-no: 206-696-4 REACH-no: 01-2119968564-24
CONTENT:	10 - <15%
CLP CLASSIFICATION:	Met. Corr. 1, Acute Tox. 3, Acute Tox. 4, Skin Sens. 1 H290, H301, H312, H317
NAME:	2-(2-butoxyethoxy)ethanol
IDENTIFICATION NOS.:	CAS-no: 112-34-5 EC-no: 203-961-6 REACH-no: 01-2119475104-44 Index-no: 603-096-00-8
CONTENT:	2.5 - <5%
CLP CLASSIFICATION:	Eye Irrit. 2 H319
NOTE:	L
NAME:	sodium p-cumenesulphonate
IDENTIFICATION NOS.:	CAS-no: 15763-76-5 EC-no: 239-854-6 REACH-no: 01-2119489411-37
CONTENT:	1 - <2.5%
CLP CLASSIFICATION:	Eye Irrit. 2 H319
NAME:	(R)-p-mentha-1,8-dien
IDENTIFICATION NOS.:	CAS-no: 5989-27-5 EC-no: 227-813-5 REACH-no: 01-2119529223-47 Index-no: 601-029-00-7
CONTENT:	0.1 - <0.25%
CLP CLASSIFICATION:	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 3 H226, H304, H315, H317, H400, H412 (M-acute = 1)
NAME:	citral
IDENTIFICATION NOS.:	CAS-no: 5392-40-5 EC-no: 226-394-6 REACH-no: 01-2119462829-23 Index-no: 605-019-00-3
CONTENT:	0.1 - <0.25%
CLP CLASSIFICATION:	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1 H315, H317, H319

(*) 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(dermal) > 2000
ATEmix(oral) = 774.896 - 1162.344
Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 0.416 - 0.624
N acute (CAT 1) Sum = Sum(Ci/M(acute))*25) = 0.00576 - 0.00864

Detergent:
< 5%: ANIONIC SURFACTANTS, PERFUMES

According to EC-Regulation 2015/830

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

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

In the case of ingestion, contact a doctor immediately and bring the safety data sheet or label. 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 to the 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.

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: Sulphur oxides. Carbon oxides. Some metal 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

According to EC-Regulation 2015/830

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.

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

2-(2-butoxyethoxy)ethanol

Long-term exposure limit (8-hour TWA reference period): 10 ppm | 67,5 mg/m³

Short-term exposure limit (15-minute reference period): 15 ppm | 101.2 mg/m³

DNEL / PNEC

DNEL (2-(2-butoxyethoxy)ethanol): 83 mg/kg

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-(2-butoxyethoxy)ethanol): 67.5 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-(2-butoxyethoxy)ethanol): 67.5 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - Workers

DNEL (2-(2-butoxyethoxy)ethanol): 5 mg/kg bw/d

Exposure: Oral

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

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

Exposure: Dermal

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

DNEL (2-(2-butoxyethoxy)ethanol): 40.5 mg/m³

Exposure: Inhalation

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

DNEL (2-(2-butoxyethoxy)ethanol): 101.2 mg/m³

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - Workers

DNEL (2-(2-butoxyethoxy)ethanol): 40.5 mg/m³

Exposure: Inhalation

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

DNEL (2-(2-butoxyethoxy)ethanol): 60.7 mg/m³

Exposure: Inhalation

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

DNEL (sodium p-cumenesulphonate): 136.25 mg/kg bw/d

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (sodium p-cumenesulphonate): 26.9 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (sodium p-cumenesulphonate): 0.096 mg/cm²

Exposure: Dermal

Duration of Exposure: Long term – Local effects - Workers

DNEL (sodium p-cumenesulphonate): 68.1 mg/kg bw/d

Exposure: Dermal

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

DNEL (sodium p-cumenesulphonate): 3.8 mg/kg bw/d

According to EC-Regulation 2015/830

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

DNEL (sodium p-cumenesulphonate): 6.6 mg/m³
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - General population

DNEL (sodium p-cumenesulphonate): 0.048 mg/cm²
Exposure: Dermal
Duration of Exposure: Long term – Local effects - General population

DNEL (sodium mercaptoacetate): 2.06 mg/kg bw
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (sodium mercaptoacetate): 1.41 mg/m³
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - Workers

PNEC (2-(2-butoxyethoxy)ethanol): 200 mg/l
Exposure: Sewage Treatment Plant

PNEC (2-(2-butoxyethoxy)ethanol): 0.44 mg/kg dw
Exposure: Marine water sediment

PNEC (2-(2-butoxyethoxy)ethanol): 4.4 mg/kg dw
Exposure: Freshwater sediment

PNEC (2-(2-butoxyethoxy)ethanol): 1 mg/l
Exposure: Freshwater

PNEC (2-(2-butoxyethoxy)ethanol): 0.1 mg/l
Exposure: Marine water

PNEC (2-(2-butoxyethoxy)ethanol): 3.9 mg/l
Exposure: Intermittent release

PNEC (2-(2-butoxyethoxy)ethanol): 0.32 mg/kg dw
Exposure: Soil

PNEC (sodium p-cumenesulphonate): 0,23mg/l
Exposure: Freshwater

PNEC (sodium p-cumenesulphonate): 0.023mg/l
Exposure: Marine water

PNEC (sodium p-cumenesulphonate): 2.3mg/l
Exposure: Intermittent release

PNEC (sodium p-cumenesulphonate): 100mg/l
Exposure: Sewage Treatment Plant

PNEC (sodium p-cumenesulphonate): 0.862mg/kg
Exposure: Freshwater sediment

PNEC (sodium p-cumenesulphonate): 0.0862mg/kg
Exposure: Marine water sediment

PNEC (sodium p-cumenesulphonate): 0.037mg/kg
Exposure: Soil

PNEC (sodium p-cumenesulphonate): 2.3mg/l
Exposure: Intermittent release

PNEC (sodium mercaptoacetate): 0.038 mg/l
Exposure: Freshwater

PNEC (sodium mercaptoacetate): 0.0038 mg/l
Exposure: Marine water

8.2. Exposure controls

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

According to EC-Regulation 2015/830

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

Use only CE marked protective equipment.

Respiratory Equipment

NA

Skin protection

Dedicated work clothing should be worn.

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	Red
Odour	Characteristic
Odour threshold (ppm)	No data available.
pH	7.5
Viscosity (40°C)	No data available.
Density (g/cm ³)	1.08

Phase changes

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.

Data on fire and explosion hazards

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.

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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According to EC-Regulation 2015/830

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: citral

Species: Rabbit

Test: LD50

Route of exposure: Dermal

Result: 2250 mg/kg

Substance: citral

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 6800 mg/kg

Substance: (R)-p-mentha-1,8-dien

Species: Rabbit

Test: LD50

Route of exposure: Dermal

Result: 5000 mg/kg

Substance: (R)-p-mentha-1,8-dien

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 4400 mg/kg

Substance: sodium p-cumenesulphonate

Species: Rabbit

Test: LD50

Route of exposure: Dermal

Result: >2000 mg/kg

Substance: sodium p-cumenesulphonate

Species: Rat

Test: LD50

Route of exposure: Oral

Result: >5000 mg/kg

Substance: sodium p-cumenesulphonate

Species: Rat

Test: LC50

Route of exposure: Inhalation

Result: >5 mg/l. 232min

Substance: 2-(2-butoxyethoxy)ethanol

Species: Rabbit

Test: LD50

Route of exposure: Dermal

Result: 2764 mg/kg

Substance: 2-(2-butoxyethoxy)ethanol

Species: Mouse

According to EC-Regulation 2015/830

Test: LD50
Route of exposure: Oral
Result: 2410 mg/kg

Substance: 2-(2-butoxyethoxy)ethanol
Species: Rat
Test: LD50
Route of exposure: Oral
Result: >2000 mg/kg

Substance: 2-(2-butoxyethoxy)ethanol
Species: Rat
Test: LC50
Route of exposure: Inhalation
Result: >29 ppm 2h

Substance: sodium mercaptoacetate
Species: Rat
Test: LD50
Route of exposure: Dermal
Result: 1000-2000 mg/kg (98% Sodium thioglycolate)

Substance: sodium mercaptoacetate
Species: Rat
Test: LD50
Route of exposure: Oral
Result: >300 mg/kg (46% Sodium thioglycolate)

Substance: sodium mercaptoacetate
Species: Rat
Test: LD50
Route of exposure: Oral
Result: 50-200 mg/kg (98% Sodium thioglycolate)

Skin corrosion/irritation

Data on substance: 2-(2-butoxyethoxy)ethanol
Test: OECD Guideline 404
Organism: Rabbit
Result: not irritating

Data on substance: sodium p-cumenesulphonate
Test: OECD Guideline 404
Organism: Rabbit
Result: light irritant

Data on substance: sodium p-cumenesulphonate

Serious eye damage/irritation

Data on substance: sodium p-cumenesulphonate
Test: OECD Guideline 405
Organism: Rabbit
Result: moderate irritant

Data on substance: 2-(2-butoxyethoxy)ethanol
Test: OECD Guideline 404
Organism: Rabbit
Result: irritating

Respiratory or skin sensitisation

May cause an allergic skin reaction. Data on substance: 2-(2-butoxyethoxy)ethanol
Test: OECD Guideline 406
Organism: Guinea pig
Result: Negative

Data on substance: sodium mercaptoacetate
Test: OECD Guideline 429
Organism: Mouse
Result: sensitising

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

STOT-single exposure

No data available.

According to EC-Regulation 2015/830

STOT-repeated exposure

No data available.

Aspiration hazard

Data on substance: sodium p-cumenesulphonate

Long term effects

Nothing special

SECTION 12: Ecological information

12.1. Toxicity

Substance: citral
Species: Daphnia
Test: EC50
Duration: 48h
Result: 6.8 mg/l

Substance: citral
Species: Fish
Test: LC50
Duration: 96h
Result: 4.6 mg/l

Substance: citral
Species: Algae
Test: IC50
Duration: 72h
Result: 103.8 mg/l

Substance: (R)-p-mentha-1,8-dien
Species: Daphnia
Test: EC50
Duration: 48h
Result: 69.6 mg/h

Substance: (R)-p-mentha-1,8-dien
Species: Fish
Test: LC50
Duration: 96h
Result: 0.8 mg/l

Substance: sodium p-cumenesulphonate
Species: Daphnia
Test: EC50
Duration: 48h
Result: >100 mg/l

Substance: sodium p-cumenesulphonate
Species: Fish
Test: LC50
Duration: 96h
Result: >100 mg/l

Substance: sodium p-cumenesulphonate
Species: Algae
Test: EC50
Duration: 96h
Result: >100 mg/l

Substance: 2-(2-butoxyethoxy)ethanol
Species: Daphnia
Test: EC50
Duration: 48h
Result: >100 mg/l

Substance: 2-(2-butoxyethoxy)ethanol
Species: Fish
Test: LC50
Duration: 96h
Result: >100 mg/l

Substance: 2-(2-butoxyethoxy)ethanol
Species: Algae
Test: EC50
Duration: 96h

According to EC-Regulation 2015/830

Result: >100 mg/l

Substance: sodium mercaptoacetate
Species: Daphnia
Test: EC50
Duration: 48h
Result: 38 mg/l

Substance: sodium mercaptoacetate
Species: Fish
Test: LC50
Duration: 96h
Result: >100 mg/l

Substance: sodium mercaptoacetate
Species: Algae
Test: EC50
Duration: 72h
Result: 13 mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
citral	Yes	Modified MITI Test	85-95%
sodium p-cumenesulphonate	Yes	CO2 Evolution Test	>60%
2-(2-butoxyethoxy)ethanol	Yes	Modified OECD Screening Test	100%
sodium mercaptoacetate	Yes	Closed Bottle Test	67%

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
citral	No	No data available	89.72
(R)-p-mentha-1,8-dien	Yes	5.3	No data available
sodium p-cumenesulphonate	No	No data available	No data available
2-(2-butoxyethoxy)ethanol	No	1	No data available
sodium mercaptoacetate	No	-2.99	No data available

12.4. Mobility in soil

(R)-p-mentha-1,8-dien: Log Koc= 4.27547, Calculated from LogPow (Low mobility potential.).
2-(2-butoxyethoxy)ethanol: Log Koc= 0.8703, Calculated from LogPow (High mobility potential.).
sodium mercaptoacetate: Log Koc= -2.289381, 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

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.
This product contains substances with the potential of bioaccumulation resulting in the risk of accumulation in the food chain.
Bioaccumulative substances are concentrated in adipose tissue and are not easily secreted.

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

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	-

According to EC-Regulation 2015/830

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

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.

Demands for specific education

-

Additional information

Not applicable

Seveso

-

Biocidal reg. no.

Not applicable

Sources

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).

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.

According to EC-Regulation 2015/830

H412 - Harmful to aquatic life with long lasting effects.

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 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 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)**

-