

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Screenwash Bugfix Concentrate

Product no.

32

Unique formula identifier (UFI)

WE8N-KKXP-A00F-CE8R

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

Relevant identified uses of the substance or mixture

Screen Wash

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

29/03/2022

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. 2; H225, Highly flammable liquid and vapour.

Eye Irrit. 2; H319, Causes serious eye irritation.

2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

Highly flammable liquid and vapour. (H225)

Causes serious eye irritation. (H319)

Safety statement(s)

General

Keep out of reach of children. (P102)

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

Prevention

Wear eye protection/protective gloves. (P280)

Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

If eye irritation persists: Get medical advice/attention. (P337+P313)

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

ethanol

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
ethanol	CAS No.: 64-17-5 EC No.: 200-578-6 REACH: 01-2119457610-43 Index No.: 603-002-00-5	60-80%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 (SCL: 50.00 %)	
1,2-ethanediol	CAS No.: 107-21-1 EC No.: 203-473-3 REACH: 01-2119456816-28 Index No.: 603-027-00-1	1-3%	Acute Tox. 4, H302 STOT RE 2, H373 Oral(Oral)	[1]
butanone	CAS No.: 78-93-3 EC No.: 201-159-0 REACH: 01-2119457290-43 Index No.: 606-002-00-3	1-3%	EUH066 Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1]

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

Labelling of contents according to Detergents Regulation (EC) No 648/2004

< 5%

· Non-ionic surfactants

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

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

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

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact

Upon irritation of the eye: 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 upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

Ingestion

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

Burns

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

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

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

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

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

IF exposed or concerned:

Get immediate medical advice/attention.

Information to medics

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

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.

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

Carbon oxides (CO / CO₂).

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.

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

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

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.

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

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

—
ethanol

Long term exposure limit (8 hours) (ppm): 1000

Long term exposure limit (8 hours) (mg/m³): 1920

—
1,2-ethanediol

Long term exposure limit (8 hours) (ppm): 20(vapour)

Long term exposure limit (8 hours) (mg/m³): 10(particulate)/52(vapour)

Short term exposure limit (15 minutes) (ppm): 40 (vapour)

Short term exposure limit (15 minutes) (mg/m³): 104 (vapour)

Annotations:

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

—
butanone

Long term exposure limit (8 hours) (ppm): 200

Long term exposure limit (8 hours) (mg/m³): 600

Short term exposure limit (15 minutes) (ppm): 300

Short term exposure limit (15 minutes) (mg/m³): 899

Annotations:

BMVG = Biological Monitoring Guidance Value exists

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

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.

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

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL

Product/substance	ethanol
DNEL	950 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers

Product/substance	ethanol
DNEL	343 mg/kg bw/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers

Product/substance	ethanol
DNEL	950 mg/m ³
Route of exposure	Inhalation
Duration	Short term – Local effects - General population

Product/substance	ethanol
DNEL	87 mg/kg bw/day
Route of exposure	Oral
Duration	Long term – Systemic effects - General population

Product/substance	ethanol
DNEL	114 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population

Product/substance	ethanol
DNEL	206 mg/kg bw/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - General population

Product/substance	ethanol
DNEL	1900 mg/m ³
Route of exposure	Inhalation
Duration	Short term – Local effects - Workers

Product/substance	1,2-ethanediol
DNEL	35 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Local effects - Workers

Product/substance	1,2-ethanediol
DNEL	106 mg/kg bw/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers

Product/substance	1,2-ethanediol
DNEL	53 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 - General population
Product/substance	1,2-ethanediol
DNEL	7 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Local effects - Workers
Product/substance	butanone
DNEL	106 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population
Product/substance	butanone
DNEL	412 mg/kg
Route of exposure	Dermal
Duration	Long term – Systemic effects - General population
Product/substance	butanone
DNEL	31 mg/kg bw/day
Route of exposure	Oral
Duration	Long term – Systemic effects - General population
Product/substance	butanone
DNEL	600 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers
Product/substance	butanone
DNEL	1161 mg/kg
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers
PNEC	
Product/substance	ethanol
PNEC	0.96 mg/L
Route of exposure	Freshwater
Duration of Exposure	
Product/substance	ethanol
PNEC	0.79 mg/L
Route of exposure	Marine water
Duration of Exposure	
Product/substance	ethanol
PNEC	2.75 mg/L
Route of exposure	Intermittent release
Duration of Exposure	
Product/substance	ethanol

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

PNEC	3.6 mg/kg dw
Route of exposure	Freshwater sediment
Duration of Exposure	
Product/substance	ethanol
PNEC	0.63 mg/kg dw
Route of exposure	Soil
Duration of Exposure	
Product/substance	ethanol
PNEC	2.9 mg/kg dw
Route of exposure	Marine water sediment
Duration of Exposure	
Product/substance	ethanol
PNEC	580 mg/L
Route of exposure	Sewage treatment plant
Duration of Exposure	
Product/substance	1,2-ethanediol
PNEC	1,53 m mg/kg
Route of exposure	Soil
Duration of Exposure	
Product/substance	1,2-ethanediol
PNEC	3,7 mg/kg dw
Route of exposure	Marine water sediment
Duration of Exposure	
Product/substance	1,2-ethanediol
PNEC	37 mg/kg dw
Route of exposure	Freshwater sediment
Duration of Exposure	
Product/substance	1,2-ethanediol
PNEC	199,5 mg/L
Route of exposure	Sewage treatment plant
Duration of Exposure	
Product/substance	1,2-ethanediol
PNEC	10 mg/l mg/L
Route of exposure	Freshwater
Duration of Exposure	
Product/substance	1,2-ethanediol
PNEC	1 mg/L
Route of exposure	Marine water
Duration of Exposure	
Product/substance	butanone

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

PNEC	55,8 mg/L
Route of exposure	Marine water
Duration of Exposure	
Product/substance	butanone
PNEC	55,8 mg/L
Route of exposure	Freshwater
Duration of Exposure	
Product/substance	butanone
PNEC	22,5 mg/kg
Route of exposure	Soil
Duration of Exposure	
Product/substance	butanone
PNEC	284,7 mg/kg
Route of exposure	Marine water sediment
Duration of Exposure	
Product/substance	butanone
PNEC	284,7 mg/kg
Route of exposure	Freshwater sediment
Duration of Exposure	
Product/substance	butanone
PNEC	709 mg/L
Route of exposure	Sewage treatment plant
Duration of Exposure	
Product/substance	butanone
PNEC	55,8 mg/L
Route of exposure	Intermittent release
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


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

Individual protection measures, such as personal protective equipment


Generally

Use only CE marked protective equipment.


Respiratory Equipment

Work situation	Type	Class	Colour	Standards	
In case of inadequate ventilation	A	Class 2 (medium capacity)	Brown	EN14387	


Skin protection

Recommended	Type/Category	Standards	
Dedicated work clothing should be worn.	-	-	

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Butyl	-	> 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

Blue

Odour / Odour threshold

Alcohol odor

pH

7

Density (g/cm³)

0.86

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)

-35.00000000

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

Does not apply to liquids.

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

Boiling point (°C)

86

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)

20

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.

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

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	ethanol
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	10470 mg/kg

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

Other information	
Product/substance	ethanol
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50 (4 hours)
Result	51 mg/L
Other information	
Product/substance	ethanol
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	>2000 mg/kg
Other information	
Product/substance	1,2-ethanediol
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>2000 mg/kg
Other information	
Product/substance	1,2-ethanediol
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	mg/kg mg/kg
Other information	
Product/substance	1,2-ethanediol
Test method	
Species	Mouse
Route of exposure	Inhalation
Test	LC50
Result	>2,5 mg/L
Other information	
Product/substance	butanone
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>2000 mg/kg
Other information	
Product/substance	butanone

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

Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>5000 mg/kg
Other information	

Skin corrosion/irritation

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

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory sensitisation

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

Skin sensitisation

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

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

Product/substance	1,2-ethanediol
Test method	OECD 452 - Chronic Toxicity Studies in Rodents
Species	Rat
Route of exposure	
Target organ	Kidney
Duration	5 h
Test	
Result	300 mg/kg bw/day
Conclusion	
Other information	

Aspiration hazard

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

11.2. Information on other hazards

Long term effects

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

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

Endocrine disrupting properties

No special

Other information

ethanol has been classified by IARC as a group 1 carcinogen.

SECTION 12: Ecological information

12.1. Toxicity

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

Product/substance	ethanol
Test method	
Species	Fish, <i>Oncorhynchus mykiss</i>
Compartment	
Duration	96 hours
Test	LC50
Result	13000 mg/L
Other information	
Product/substance	ethanol
Test method	
Species	Daphnia, <i>Daphnia magna</i>
Compartment	
Duration	48 hours
Test	EC50
Result	12340 mg/L
Other information	
Product/substance	ethanol
Test method	
Species	Algae, <i>Chlorella vulgaris</i>
Compartment	
Duration	72 hours
Test	EC50
Result	275 mg/L
Other information	
Product/substance	1,2-ethanediol
Test method	
Species	Fish, <i>Pimephales promelas</i>
Compartment	
Duration	96 hours
Test	LC50
Result	>1000 mg/L
Other information	
Product/substance	1,2-ethanediol
Test method	
Species	Daphnia, <i>Daphnia magna</i>
Compartment	
Duration	48 hours
Test	EC50
Result	>1000 mg/L
Other information	
Product/substance	1,2-ethanediol
Test method	
Species	Algae, <i>Selenastrum capricornutum</i>
Compartment	
Duration	72 hours
Test	EC50

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

Result >1000 mg/L

Other information

Product/substance 1,2-ethanediol

Test method

Species Fish

Compartment

Duration 7 days

Test NOEC

Result 15380 mg/l ·

Other information

Product/substance 1,2-ethanediol

Test method

Species Daphnia

Compartment

Duration 7 days

Test NOEC

Result 8590 mg/l ·

Other information

Product/substance butanone

Test method

Species Fish, Pimephales promelas

Compartment

Duration 96 hours

Test LC50

Result 2993 mg/L

Other information

Product/substance butanone

Test method

Species Daphnia, Daphnia magna

Compartment

Duration 48 hours

Test EC50

Result 308 mg/L

Other information

12.2. Persistence and degradability

Product/substance ethanol

Biodegradable Yes

Test method OECD 301 B

Result 97%

Product/substance 1,2-ethanediol

Biodegradable Yes

Test method OECD 301 A

Result 90%

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

Product/substance	butanone
Biodegradable	Yes
Test method	
Result	

12.3. Bioaccumulative potential

Product/substance	ethanol
Test method	
Potential bioaccumulation	No
LogPow	-0.31
BCF	0.66
Other information	

Product/substance	1,2-ethanediol
Test method	
Potential bioaccumulation	No
LogPow	-1.3600
BCF	No data available
Other information	

Product/substance	butanone
Test method	
Potential bioaccumulation	No
LogPow	0,3
BCF	No data available
Other information	

12.4. Mobility in soil

1,2-ethanediol
LogKoc = 1, 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. Endocrine disrupting properties

No special

12.7. Other adverse effects

No special

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.
HP 3 - Flammable
HP 4 - Irritant (skin irritation and eye damage)
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




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

Not applicable

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es) Labels: 3 Classification code:	14.4 PG*	14.5 Env**	Other information
ADR	UN1993	FLAMMABLE LIQUID, N.O.S. (ethanol)	Class: 3 Labels: 3 Classification code: F1 	II	No	Limited quantities: 1 L Tunnel restriction code: 2(D/E) See below for additional information.
IMDG	UN1993	FLAMMABLE LIQUID, N.O.S. (ethanol)	Class: 3 Labels: 3 Classification code: F1 	II	No	Limited quantities: 1 L EmS: F-E S-E See below for additional information.
IATA	UN1993	FLAMMABLE LIQUID, N.O.S. (ethanol)	Class: 3 Labels: 3 Classification code: F1 	II	No	See below for additional information.

* Packing group

** Environmental hazards

Additional information

IMDG / See the Dangerous Goods List, section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

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

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.

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

Demands for specific education

No specific requirements

SEVESO - Categories / dangerous substances

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

Regulation on drug precursors

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

butanone is included (Category 3)

Additional information

Tactile warning.

Sources

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

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

Control of Major Accident Hazards (COMAH) Regulations 2015.

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

Council Regulation (EC) No 273/2004 on drug precursors.

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

EUH066, Repeated exposure may cause skin dryness or cracking.

H225, Highly flammable liquid and vapour.

H302, Harmful if swallowed.

H319, Causes serious eye irritation.

H336, May cause drowsiness or dizziness.

H373, May cause damage to organs through prolonged or repeated exposure.

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

EWG = 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

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

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 health 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.

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