SAFETY DATA SHEET

Toko Performance Proof Aerosol

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

1.1. Product identifier

▼*Trade name:* Toko Performance Proof Aerosol

▼*Other names / Synonyms:* Textile Proof 250ml (5582622)
Universal Tent & Pack Proof 500ml (5582651)
care Textile Water Proof Pro 250ml (5582840)
care Equipment Water Proof Pro 500ml (5582842)

▼*Product no.:* 5582622, 5582651, 5582840, 5582842

▼*Unique formula identifier (UFI):* 5582622: K6FT-70SN-S62J-SX6Y
5582651: 9AGT-T0RT-S620-CCST
5582840: M1D9-6JXE-YX46-SU6N
5582842: EW49-6JNG-JX44-VGU9

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

Relevant identified uses of the substance or mixture: Impregnation

Use descriptors (UK REACH):

Sectors of use	Description
LCS "C"	Consumer uses: Private households (= general public = consumers)
Product category	**Description**
PC 34	Textile dyes, finishing and impregnating products
Environmental release category	**Description**
ERC 8a	Wide dispersive indoor use of processing aids in open systems
ERC 8d	Wide dispersive outdoor use of processing aids in open systems

Uses advised against : None known.

1.3. Details of the supplier of the safety data sheet

Company and address: **BRAV Switzerland AG**
Industriestrasse 4
9450 Altstätten
Switzerland
+41 71 757 73 73

▼*Distributor:* **Solo Sports Brands Ltd**
Unit 2B, Toll BarSedbergh
LA10 5HA Cumbria
UK
sales@solosport.co.uk
Customer Service: keyaccount@brav.com
www.solosport.co.uk

Revision: 25/10/2024

SDS Version: 2.0

Date of previous version: 17/04/2024 (1.0)

1.4. ▼Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)
General public:
England - Dial 111 to reach NHS 111 (24 hour service)
Scotland - Dial 112 to reach NHS 24 (24 hour service)
Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)
See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. **▼Classification of the substance or mixture**

Aerosol 1; H222, H229, Extremely flammable aerosol. Pressurised container: May burst if heated.
STOT SE 3; H336, May cause drowsiness or dizziness.
Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

2.2. **Label elements**

Hazard pictogram(s):

Signal word: Danger

▼*Hazard statement(s):* Extremely flammable aerosol. Pressurised container: May burst if heated. (H222, H229)
May cause drowsiness or dizziness. (H336)
Harmful to aquatic life with long lasting effects. (H412)

Precautionary statement(s):

General: If medical advice is needed, have product container or label at hand. (P101)
Keep out of reach of children. (P102)

▼*Prevention:* Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)
Do not spray on an open flame or other ignition source. (P211)
Do not pierce or burn, even after use. (P251)
Avoid release to the environment. (P273)

▼*Response:* IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310)
Call a POISON CENTER/doctor if you feel unwell. (P312)

▼*Storage:* Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122°F. (P410+P412)

Disposal: Dispose of contents/container in accordance with local regulation (P501)

▼*Hazardous substances:* Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

▼*Additional labelling:* EUH066, Repeated exposure may cause skin dryness or cracking.
5582622: K6FT-70SN-S62J-SX6Y
5582651: 9AGT-T0RT-S620-CCST
5582840: M1D9-6JXE-YX46-SU6N
5582842: EW49-6JNG-JX44-VGU9

2.3. **Other hazards**

▼*Additional warnings:* In the event of leaks, high concentrations of gases can quickly form. They can be toxic, asphyxiating, or explosive.
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.
This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: Composition/information on ingredients

3.1. **Substances**

Not applicable. This product is a mixture.

3.2. **▼Mixtures**

Product/substance	Identifiers	% w/w	Classification	Note
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2%	CAS No.: EC No.: 927-241-2	40-60%	EUH066 Flam. Liq. 3, H226	[15]

aromatics	UK-REACH: Index No.:		Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 3, H412	
isobutane (containing ≥ 0,1 % butadiene (203-450-8));butane (containing ≥ 0,1 % butadiene (203-450-8))	CAS No.: 75-28-5 EC No.: 200-857-2 UK-REACH: Index No.: 601-004-01-8	15-20%	Flam. Gas 1A, H220 Press. Gas (Liq.) , H280	
propane	CAS No.: 74-98-6 EC No.: 200-827-9 UK-REACH: Index No.: 601-003-00-5	15-20%	Flam. Gas 1A, H220 Press. Gas (Liq.) , H280	
butane (containing ≥ 0,1 % butadiene (203-450-8));isobutane (containing ≥ 0,1 % butadiene (203-450-8))	CAS No.: 106-97-8 EC No.: 203-448-7 UK-REACH: Index No.: 601-004-01-8	15-20%	Flam. Gas 1A, H220 Press. Gas (Liq.) , H280	
ethanol;ethyl alcohol	CAS No.: 64-17-5 EC No.: 200-578-6 UK-REACH: Index No.: 603-002-00-5	5-10%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 (SCL: 50.00 %)	
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	CAS No.: 64742-49-0 EC No.: 927-510-4 UK-REACH: Index No.:	3-5%	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	[15], [19]
ethyl acetate	CAS No.: 141-78-6 EC No.: 205-500-4 UK-REACH: Index No.: 607-022-00-5	1-3%	EUH066 Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1]
isopentane;2-methylbutane	CAS No.: 78-78-4 EC No.: 201-142-8 UK-REACH: Index No.: 601-085-00-2	<1%	EUH066 Flam. Liq. 1, H224 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411	[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.
[15] The classification as a carcinogen / mutagen will not be taken into account as the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7) (CLP, Annex VI, note P).
[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

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. DO NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention.
▼*Eye contact:*	If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.
Ingestion:	If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. 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 person 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
None known.

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

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.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture
Extremely flammable aerosol. Pressurised container. In a fire or if heated, a pressure increase will occur and the container may burst.
In use may form flammable/explosive vapour-air 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.
Hazchem Code: None

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Accidental releases always pose a serious risk of fire or explosion.
Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.
Ensure adequate ventilation, especially in confined areas.
Avoid inhalation of vapours from spilled material.

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.
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections
See section 13 “Disposal considerations” on handling of waste.

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

SECTION 7: Handling and storage

7.1. **▼Precautions for safe handling**

Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
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**

Must be stored in a cool and well-ventilated area, away from possible sources of ignition.
Pressurized gas packs (spray cans, aerosol cans) must be stored behind a wire mesh, which allows gases to escape and holds back packs flying around.

Recommended storage material:	Keep only in original packaging.
Storage conditions:	Dry, cool and well ventilated Protect from sunlight. < 50°C
Incompatible materials:	Combustible materials Strong oxidizing 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**

butane (containing ≥ 0,1 % butadiene (203-450-8));isobutane (containing ≥ 0,1 % butadiene (203-450-8))
Long term exposure limit (8 hours) (ppm): 600
Long term exposure limit (8 hours) (mg/m³): 1450
Short term exposure limit (15 minutes) (ppm): 750
Short term exposure limit (15 minutes) (mg/m³): 1810
Annotations:
Carc1 = Capable of causing cancer and/or heritable genetic damage if it contains more than 0.1% of buta-1,3-diene.

ethanol;ethyl alcohol
Long term exposure limit (8 hours) (ppm): 1000
Long term exposure limit (8 hours) (mg/m³): 1920

ethyl acetate
Long term exposure limit (8 hours) (ppm): 200
Short term exposure limit (15 minutes) (ppm): 400

isopentane;2-methylbutane
Long term exposure limit (8 hours) (ppm): 600
Long term exposure limit (8 hours) (mg/m³): 1800

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

ethanol;ethyl alcohol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	206 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	343 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	114 mg/m³
Long term – Systemic effects - Workers	Inhalation	380 mg/m³

Short term – Local effects - General population	Inhalation	950 mg/m³
Short term – Local effects - Workers	Inhalation	1900 mg/m³
Long term – Systemic effects - General population	Oral	87 mg/kg bw/day

ethyl acetate

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	37 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	63 mg/kg bw/day
Long term – Local effects - General population	Inhalation	367 mg/m³
Long term – Local effects - Workers	Inhalation	734 mg/m³
Long term – Systemic effects - General population	Inhalation	367 mg/m³
Long term – Systemic effects - Workers	Inhalation	734 mg/m³
Short term – Local effects - General population	Inhalation	734 mg/m³
Short term – Local effects - Workers	Inhalation	1468 mg/m³
Short term – Systemic effects - General population	Inhalation	734 mg/m³
Short term – Systemic effects - Workers	Inhalation	1468 mg/m³
Long term – Systemic effects - General population	Oral	4.5 mg/kg bw/day

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	149 mg/kg bw/day
Long term – Systemic effects - General population	Dermal	1377 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	300 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	13964 mg/kg bw/day
Long term – Local effects - General population	Inhalation	178.57 mg/m³
Long term – Local effects - Workers	Inhalation	837.5 mg/m³
Long term – Systemic effects - General population	Inhalation	410 µg/m³
Long term – Systemic effects - General population	Inhalation	447 mg/m³
Long term – Systemic effects - General population	Inhalation	1131 mg/m³
Long term – Systemic effects - Workers	Inhalation	1.9 mg/m³
Long term – Systemic effects - Workers	Inhalation	2085 mg/m³
Long term – Systemic effects - Workers	Inhalation	5306 mg/m³
Short term – Local effects - General population	Inhalation	640 mg/m³
Short term – Local effects - Workers	Inhalation	1066.67 mg/m³
Short term – Systemic effects - General population	Inhalation	1152 mg/m³
Short term – Systemic effects - Workers	Inhalation	1286.4 mg/m³
Long term – Systemic effects - General population	Oral	149 mg/kg bw/day
Long term – Systemic effects - General population	Oral	1301 mg/kg bw/day

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	46 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	77 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	185 mg/m³
Long term – Systemic effects - Workers	Inhalation	871 mg/m³
Long term – Systemic effects - General population	Oral	46 mg/kg bw/day

▼ PNEC

ethanol;ethyl alcohol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		960 µg/L
Freshwater sediment		3.6 mg/kg
Intermittent release (freshwater)		2.75 mg/L
Marine water		790 µg/L
Marine water sediment		2.9 mg/kg
Predators		380-720 mg/kg
Sewage treatment plant		580 mg/L
Soil		630 µg/kg

ethyl acetate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		240 µg/L
Freshwater sediment		1.15 mg/kg
Intermittent release (freshwater)		1.65 mg/L
Marine water		24 µg/L
Marine water sediment		115 µg/kg
Predators		200 mg/kg
Sewage treatment plant		650 mg/L
Soil		148 µg/kg

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

Hygiene measures: In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure: Provide adequate general and local exhaust ventilation.

Individual protection measures, such as personal protective equipment

Generally: Use only UKCA marked protective equipment.

Respiratory Equipment:

Work situation	Type	Class	Colour	Standards	
	No special when used as intended.				
In case of inadequate ventilation	Combination filter A2P2	Class 2	Brown/White	EN14387	

Skin protection:

Recommended	Type/Category	Standards	
Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.	-	-	

▼*Hand protection:*

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	0.4	> 480	EN374-2, EN374-3, EN388

▼*Eye protection:*

Type	Standards
Safety glasses with side shields.	EN ISO 16321-1

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Aerosol
Colour:	Clear
Odour / Odour threshold:	Alcohol odor
▼*pH:*	No relevant or available data due to the nature of the product.
Density (g/cm³):	0.65 - 0.7 (20 °C)
Kinematic viscosity:	<= 20.5 mm²/s (40 °C)
▼*Particle characteristics:*	No relevant or available data due to the nature of the product.

Phase changes

▼*Melting point/Freezing point (°C):*	No relevant or available data due to the nature of the product.
Softening point/range (°C):	Does not apply to aerosols.
▼*Boiling point (°C):*	No relevant or available data due to the nature of the product.
▼*Vapour pressure:*	No relevant or available data due to the nature of the product.
▼*Relative vapour density:*	No relevant or available data due to the nature of the product.
▼*Decomposition temperature (°C):*	No relevant or available data due to the nature of the product.

Data on fire and explosion hazards

Flash point (°C):	Does not apply to aerosols.
Flammability (°C):	The material is ignitable.
Auto-ignition temperature (°C):	~365
Lower and upper explosion limit (% v/v):	1.5 - 10.9

Solubility

Solubility in water:	Slightly soluble
▼*n-octanol/water coefficient (LogKow):*	No relevant or available data due to the nature of the product.
▼*Solubility in fat (g/L):*	No relevant or available data due to the nature of the product.

9.2. Other information

▼*Oxidizing properties:*	No relevant or available data due to the nature of the product.
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
None known.

10.4. ▼Conditions to avoid
Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.
Sunlight

10.5. Incompatible materials
Combustible materials
Strong oxidizing agents

10.6. ▼Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

▼Acute toxicity

Product/substance	ethanol;ethyl alcohol
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	10470 mg/kg

Product/substance	ethanol;ethyl alcohol
Test method:	OECD 402
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	ethanol;ethyl alcohol
Test method:	OECD 403
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (4 hours)
Result:	124.7 mg/L

Product/substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>8 mg/kg

Product/substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Species:	Rat
Route of exposure:	Dermal

Test:	LD50
Result:	>2000 mg/kg

Product/substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Test method:	OECD 402
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2920 mg/kg

Product/substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Test method:	OECD 403
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (4 hours)
Result:	>23.3 mg/L

Product/substance	ethyl acetate
Test method:	OECD 401
Species:	Rabbit
Route of exposure:	Oral
Test:	LD50
Result:	4934 mg/kg

Product/substance	ethyl acetate
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>20000 mg/kg

Product/substance	ethyl acetate
Species:	Rat
Route of exposure:	Inhalation
Test:	LC0
Result:	29.3 mg/L

Skin corrosion/irritation

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

▼Serious eye damage/irritation

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

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

May cause drowsiness or dizziness.

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

None known.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

▼Other information

None known.

SECTION 12: Ecological information

12.1. ▼Toxicity

Product/substance	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Test method:	OECD 203
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LL50
Result:	> 10 < 30 mg/L

Product/substance	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Species:	Fish, Oncorhynchus mykiss
Duration:	28 days
Test:	NOEC
Result:	0.182 mg/L

Product/substance	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Species:	Daphnia, Daphnia magna
Duration:	21 days
Test:	NOEC
Result:	0.317 mg/L

Product/substance	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Test method:	OECD 202
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EL50
Result:	>22 < 46 mg/L

Product/substance	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Test method:	OECD 201
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	72 hours
Test:	NOELR
Result:	<1 mg/L

Product/substance	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Species:	Algae, Pseudokirchneriella subcapitata
Test:	EL50
Result:	>1000 mg/L

Product/substance	ethanol;ethyl alcohol
Species:	Daphnia, Ceriodaphnia dubia
Test:	NOEC
Result:	9.6 mg/L

Product/substance	ethanol;ethyl alcohol
Test method:	OECD 203
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	13000 mg/L

Product/substance	ethanol;ethyl alcohol
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	LC50
Result:	12340 mg/L

Product/substance	ethanol;ethyl alcohol
Test method:	OECD 201
Species:	Algae, Chlorella vulgaris
Duration:	72 hours
Test:	EC50
Result:	275 mg/L

Product/substance	ethanol;ethyl alcohol
Test method:	OECD 201
Species:	Algae, Lemna gibba
Test:	NOEC
Result:	280 mg/L

Product/substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Test method:	OECD 203
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	>13.4 mg/L

Product/substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Test method:	OECD 202
Species:	Daphnia, Daphnia magna
Duration:	24 hours
Test:	EL50
Result:	12 mg/L

Product/substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Test method:	OECD 202
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	LC50
Result:	3 mg/L

Product/substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Test method:	OECD 201
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	72 hours
Test:	EL50
Result:	12 mg/L

Product/substance	ethyl acetate
Species:	Bacteria, Pseudomonas putida
Duration:	18 hours
Test:	EC10
Result:	2900 mg/L

Product/substance	ethyl acetate
Species:	Fish, Leuciscus idus
Duration:	48 hours
Test:	LC50
Result:	333 mg/L

Product/substance	ethyl acetate
Species:	Fish, Pimephales promelas
Test:	NOEC
Result:	>9.65 mg/L

Product/substance	ethyl acetate
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	230 mg/L

Product/substance	ethyl acetate

Test method:	DIN 38412
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	610 mg/L

Product/substance	ethyl acetate
Species:	Daphnia, Daphnia magna
Duration:	21 days
Test:	NOEC
Result:	2.4 mg/L

Product/substance	ethyl acetate
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	165 mg/L

Product/substance	ethyl acetate
Test method:	DIN 38412
Species:	Algae, Desmodesmus subspicatus
Duration:	48 hours
Test:	EC50
Result:	5600 mg/L

Product/substance	ethyl acetate
Test method:	OECD 201
Species:	Algae, Scenedesmus subspicatus
Duration:	48 hours
Test:	NOEC
Result:	2000 mg/L

Product/substance	ethyl acetate
Test method:	OECD 201
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	96 hours
Test:	EC50
Result:	> 2000 mg/L

Product/substance	ethyl acetate
Test method:	OECD 201
Species:	Algae, Desmodesmus subspicatus
Duration:	72 hours
Test:	NOEC
Result:	> 100 mg/L

Product/substance	ethyl acetate
Species:	Algae, Scenedesmus subspicatus
Duration:	48 hours
Test:	EC50
Result:	3300 mg/L

Harmful to aquatic life with long lasting effects.

12.2. ▼Persistence and degradability

Product/substance	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Result:	89 %
Conclusion:	Readily biodegradable
Test:	OECD 301 F

Product/substance	ethanol;ethyl alcohol
Result:	97 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	ethyl acetate
Result:	79 %

Conclusion: -
Test: OECD 301 D

12.3. ▼Bioaccumulative potential

Product/substance: Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
LogKow: 4 - 5.7
Conclusion: -

Product/substance: ethanol;ethyl alcohol
BCF: 0.66 - 3.2
LogKow: -0.32
Conclusion: -

Product/substance: ethyl acetate
BCF: 30
LogKow: 0.68
Conclusion: -

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

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

▼Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)
HP 3 - Flammable
HP 14 – Ecotoxic
Dispose of contents/container to an approved waste disposal plant.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

16 05 04* Gases in pressure containers (including halons) containing dangerous substances

Specific labelling

▼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)	14.4 PG*	14.5 Env**	Other information:
ADR	UN1950	AEROSOLS	Transport hazard class: 2 Label: 2.1 Classification code: 5F 	-	No	Limited quantities: 1 L Tunnel restriction code: (D) See below for additional information.

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
IMDG	UN1950	AEROSOLS	Transport hazard class: 2 Label: 2.1 Classification code: 5F 	-	No	Limited quantities: 1 L EmS: F-D S-U See below for additional information.
IATA	UN1950	AEROSOLS	Transport hazard class: 2 Label: 2.1 Classification code: 5F 	-	No	See below for additional information.

* Packing group

** Environmental hazards

▼**Additional information**

This product is within scope of the regulations of transport of dangerous goods.
ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.
IMDG / See 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.
Hazchem Code: None

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.
▼*Control of Major Accident Hazards (COMAH) - Categories / dangerous substances:*	P3a - FLAMMABLE AEROSOLS, Qualifying quantity (lower-tier): 150 tonnes (net) / (upper-tier): 500 tonnes (net)
UK-REACH, Annex XVII:	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics is subject to UK-REACH restrictions (entry 40). isobutane (containing ≥ 0,1 % butadiene (203-450-8));butane (containing ≥ 0,1 % butadiene (203-450-8)) is subject to UK-REACH restrictions (entry 40). propane is subject to UK-REACH restrictions (entry 40). butane (containing ≥ 0,1 % butadiene (203-450-8));isobutane (containing ≥ 0,1 % butadiene (203-450-8)) is subject to UK-REACH restrictions (entry 40). ethanol;ethyl alcohol is subject to UK-REACH restrictions (entry 40). Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics is subject to UK-REACH restrictions (entry 40). ethyl acetate is subject to UK-REACH restrictions (entry 40). isopentane;2-methylbutane is subject to UK-REACH restrictions (entry 40).
Additional information:	Not applicable.
Sources:	The Health and Safety at Work etc. Act 1974 Regulations 2013. The Aerosol Dispensers Regulations 2009 No. 2824, amended in 2014 (No. 1130) and in 2018 (No. 29).

Control of Major Accident Hazards (COMAH) Regulations 2015.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

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.
H220, Extremely flammable gas.
H224, Extremely flammable liquid and vapour.
H225, Highly flammable liquid and vapour.
H226, Flammable liquid and vapour.
H280, Contains gas under pressure; may explode if heated.
H304, May be fatal if swallowed and enters airways.
H315, Causes skin irritation.
H319, Causes serious eye irritation.
H336, May cause drowsiness or dizziness.
H411, Toxic to aquatic life with long lasting effects.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

LCS "C" = Consumer uses: Private households (= general public = consumers)
PC 34 = Textile dyes, finishing and impregnating products
ERC 8a = Wide dispersive indoor use of processing aids in open systems
ERC 8d = Wide dispersive outdoor use of processing aids in open systems

▼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 (European conformity)
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
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
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
UVBC = Unknown or variable composition, complex reaction products or of biological materials
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) as retained and amended in UK law.
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) as retained and amended in UK law.
The classification of the mixture in regard to physical hazards has been based on experimental data.

The safety data sheet is validated by

EcoOnline Regulatory Affairs

Other

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