SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

POWER FRESH MENTHOL

Creation date	30th July 2025		
Revision date		Version	1.1

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

1.1. Product identifier

Substance / mixture	mixture
Number	1 34407
UFI	T40S-DQ7C-771R-UQRE

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

Mixture's intended use

Air freshener. For professional use only.

Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

1.3. Details of the supplier of the safety data sheet

Supplier

Name or trade name	RETECH, s.r.o.
Address	Vackova 1541/4, Praha 5 - Stodůlky, 155 00 Czech Republic
Identification number (CRN)	25018205
VAT Reg. No.	CZ25018205
Phone	+420327596428
E-mail	info@retech.cz
Web address	www.retech.com

Competent person responsible for the safety data sheet

Name	RETECH, s.r.o.
E-mail	info@retech.cz

1.4. Emergency telephone number

European emergency number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Aerosol 1, H222, H229
Eye Irrit. 2, H319

Most serious adverse physico-chemical effects

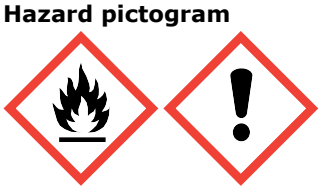
Pressurised container: May burst if heated. Extremely flammable aerosol.

Most serious adverse effects on human health and the environment

Causes serious eye irritation.

2.2. Label elements

Hazard pictogram



Signal word

Danger

Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H319	Causes serious eye irritation.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing vapours/spray.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P410+P412	Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122 °F.

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Does not contain any PMT or vPvM components.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 649-202-00-6 CAS: 68476-85-7 EC: 270-704-2	Petroleum gases, liquefied	≥50	Press. Gas, Flam. Gas 1A, H220	2
Index: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7 Registration number: 01-2119457558-25	propan-2-ol	10-20	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	
Index: 601-029-00-7 CAS: 5989-54-8 EC: 227-815-6 Registration number: 01-2119453995-23	(S)-p-mentha-1,8-diene	0.0000001 -0.005	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	1
CAS: 127-91-3 EC: 204-872-5	beta-Pinene (cf. Terpenes)	0.0000001 -0.005	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
CAS: 80-56-8 EC: 201-291-9 Registration number: 01-2119519223-49	alpha-Pinene (cf. Terpenes)	0.0000001 -0.005	Flam. Liq. 3, H226 Acute Tox. 4, H302 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) Specific concentration limit: ATE Oral = 500 mg/kg bw	

Notes

1 *Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.*

2 *Note K: The harmonised classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0,1 % w/w 1,3- butadiene (Einecs No 203-450-8), in which case a classification in accordance with Title II of this Regulation shall be performed also for those hazard classes. Where the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P210-P403 shall apply.*

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Remove person to fresh air and keep comfortable for breathing.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

If swallowed

Unlikely. In the event of issues, find medical help.

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

If inhaled

Not expected.

If on skin

Not expected.

If in eyes

Causes serious eye irritation.

If swallowed

Not expected.

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

Extremely flammable aerosol. Pressurised container: May burst if heated. In the event of fire toxic gases may arise.

5.3. Advice for firefighters

Fight fire with normal precautions from a reasonable distance. Keep unprotected persons away. Use a self-contained breathing apparatus and full-body protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Stop leak if safe to do so. In the event of substantial pollution, contact respective authorities. Absorb spillage to prevent material damage. Ventilate the room. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent contact with skin and eyes. Keep unprotected persons away. Use personal protective equipment as per Section 8. Evacuate area.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, earth). In the event of leakage into water, prevent other spread of the product via oil boom. Stop leak if safe to do so. Place the product mechanically in an appropriate manner. Dispose of the collected material according to the instructions in the section 13.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

The product is stable under normal conditions. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Ensure good ventilation/exhaustion at the workplace. Prevent contact with skin and eyes. Use personal protective equipment as per Section 8. Do not eat, drink or smoke when using this product. Wash hands and exposed parts of the body thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Protect from sunlight. Do not expose to temperatures exceeding 50 °C. Keep only in original packaging.

Content	Packaging type	Material of package
750 ml	bottle	

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains no substances for which occupational exposure limits are set.

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. Use personal protective equipment for work.

Eye/face protection



Protective goggles. EN ISO 16321-1 - Eye and face protection for occupational use.

Skin protection



Hand protection: Protective gloves resistant to the product. EN ISO 374-2. Other protection: protective workwear. EN ISO 6530.

Respiratory protection
In case of inadequate ventilation wear respiratory protection.
Thermal hazard
Not available.
Environmental exposure controls
Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	colourless
Odour	data not available
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	-40--2 °C (LPG)
Flammability	Extremely flammable aerosol.
Lower and upper explosion limit	
bottom	1.4 % (LPG)
upper	10.9 % (LPG)
Flash point	<-40 °C
Auto-ignition temperature	365 °C (LPG)
Decomposition temperature	data not available
pH	non-polar/aprotic
Kinematic viscosity	data not available
(S)-p-mentha-1,8-diene (CAS: 5989-54-8)	1.011 mm²/s
propan-2-ol (CAS: 67-63-0)	2658 mm²/s
Solubility in water	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	590-1760 (LPG)
Density and/or relative density	data not available
Relative vapour density	data not available
Particle characteristics	data not available
Form	aerosol dispenser: spray aerosol

9.2. Other information

not available

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

Protect against flames, sparks, overheating. Remove all ignition sources.

10.5. Incompatible materials

not available

10.6. Hazardous decomposition products

Not developed under normal uses.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

No toxicological data is available for the mixture.

Acute toxicity

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

alpha-Pinene (cf. Terpenes)							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Source
Dermal	LD_{50}	OECD 402	>2000 mg/kg bw		Rat		
Oral	LD_{50}		3700 mg/kg bw				
Dermal	LD_{50}		>5000 mg/kg bw				
Inhalation (vapor)	LC_{50}		7.3 mg/l	4 hours	Rat		
Oral	ATE		500 mg/kg bw				

beta-Pinene (cf. Terpenes)							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Source
Oral	LD_{50}		4700 mg/kg		Rat		NLM,THOMSON
Dermal	LD_{50}		5000 mg/kg				
Inhalation (vapor)	LC_{50}		7.3 mg/l	4 hours	Rat		

propan-2-ol							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Source
Oral	LD_{50}	OECD 401	5840 mg/kg bw		Rat		
Oral	LD_{50}		4396 mg/kg bw				
Dermal	LD_{50}		12800 mg/kg bw				
Inhalation (dust/mist)	LC_{50}		46600 mg/l		Rat		

Skin corrosion/irritation

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Serious eye damage/irritation

Causes serious eye irritation. Data for the components of the mixture are not available.

Respiratory or skin sensitisation

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Germ cell mutagenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Carcinogenicity
No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Reproductive toxicity
No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Toxicity for specific target organ - single exposure
Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

propan-2-ol					
Route of exposure	Parameter	Value	Result	Species	Sex
			Drowsiness, Dizziness		

Toxicity for specific target organ - repeated exposure
Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

Petroleum gases, liquefied							
Route of exposure	Parameter	Method	Value	Exposure time	Result	Species	Sex
Inhalation (gases)	LOAEC	OECD 422	12000 ppm	90 days		Rat	

Aspiration hazard
No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

11.2. Information on other hazards
Endocrine disrupting properties
Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption for humans.
Other information
not available

SECTION 12: Ecological information
12.1. Toxicity
Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.
Acute toxicity

(S)-p-mentha-1,8-diene					
Parameter	Value	Exposure time	Species	Environment	Source
EC_{50}	0.36 mg/l		Daphnia (Daphnia magna)		
EC_{50}	0.36 mg/l		Other aquatic organisms		
EC_{50}	8 mg/l	72 hours	Algae (Desmodesmus subspicatus)		
EC_{50}	8 mg/l	72 hours	Algae		

(S)-p-mentha-1,8-diene					
Parameter	Value	Exposure time	Species	Environment	Source
EC_{50}	0.904 mg/l	96 hours	Algae		
LC_{50}	0.72 mg/l	96 hours	Fish		ECHA

alpha-Pinene (cf. Terpenes)					
Parameter	Value	Exposure time	Species	Environment	Source
LC_{50}	0.303 mg/l		Fish (Danio rerio)		
EC_{50}	0.475 mg/l		Daphnia (Daphnia magna)		
EC_{50}	1.44 mg/l		Other aquatic organisms (Daphnia)		

beta-Pinene (cf. Terpenes)					
Parameter	Value	Exposure time	Species	Environment	Source
LC_{50}	0.5 mg/l		Fish		

propan-2-ol					
Parameter	Value	Exposure time	Species	Environment	Source
LC_{50}	9640 mg/l		Fish (Pimephales promelas)		
EC_{50}	1000 mg/l		Crustaceans		
EC_{50}	13299 mg/l		Other aquatic organisms (Daphnia)		
EC_{50}	>1000 mg/l		Other aquatic organisms		
ErC_{50}	1000 mg/l		Algae		

Chronic toxicity

propan-2-ol				
Parameter	Value	Exposure time	Species	Environment
NOEC	100 mg/l		Crustaceans	

12.2. Persistence and degradability

The product is not easily biodegradable.

Biodegradability

(S)-p-mentha-1,8-diene				
Parameter	Value	Exposure time	Environment	Result
				Hardly biodegradable

alpha-Pinene (cf. Terpenes)				
Parameter	Value	Exposure time	Environment	Result
				Hardly biodegradable

beta-Pinene (cf. Terpenes)				
Parameter	Value	Exposure time	Environment	Result
				Hardly biodegradable

Petroleum gases, liquefied				
Parameter	Value	Exposure time	Environment	Result
				Hardly biodegradable

propan-2-ol				
Parameter	Value	Exposure time	Environment	Result
	95 %			Easily biodegradable

12.3. Bioaccumulative potential

No data are available for either the mixture or the components.

(S)-p-mentha-1,8-diene		
Parameter	Value	Source
Log Pow	4.38	ECHA

alpha-Pinene (cf. Terpenes)		
Parameter	Value	Source
Log Pow	4.32	

beta-Pinene (cf. Terpenes)		
Parameter	Value	Source
Log Pow	4.16	

propan-2-ol		
Parameter	Value	Source
Log Pow	0.05	

12.4. Mobility in soil

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PMT or vPvM components.

12.5. Results of PBT and vPvB assessment

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PBT or vPvB components.

12.6. Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption in the environment.

12.7. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. HP3 "Flammable".

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

SECTION 14: Transport information

14.1. UN number or ID number

UN 1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport hazard class(es)

2 Gases

14.4. Packing group

not relevant

14.5. Environmental hazards

No

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

Additional information

Hazard identification No.	
UN number	1950
Classification code	5F
Safety signs	2.1



Road transport - ADR

Special provisions	190, 327, 344, 625
Limited quantities	1 L
Excepted quantities	E0
Packaging	
Packing instructions	P207, LP200
Special packing provisions	PP87, RR6, L2
Mixed packing provisions	MP9
Transport category	2
Tunnel restriction code	(D)
Special provision for	
packages	V14
loading, unloading and handling	CV9, CV12
operation	S2

Railway transport - RID

Special provisions	190, 327, 344, 625
Excepted quantities	E0
Packaging	
Packing instructions	P207, LP200
Special packing provisions	PP87, RR6, L2
Mixed packing provisions	MP9
Transport category	2
Special provision for	
packages	W14
loading, unloading and handling	CW9, CW12

Air transport - ICAO/IATA

Packaging instructions for limited amount	Y203
Packaging instructions passenger	203
Cargo packaging instructions	203

Marine transport - IMDG

EmS (emergency plan)	F-D, S-U

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Guidelines for safe handling used in the safety data sheet

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing vapours/spray.

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P410+P412	Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122 °F.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

Acute Tox.	Acute toxicity
ADR	Agreement concerning the international carriage of dangerous goods by road
Aerosol	Aerosol
Aquatic Acute	Hazardous to the aquatic environment
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Asp. Tox.	Aspiration hazard
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC_{50}	Concentration of a substance when it is affected 50 % of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
Eye Irrit.	Eye irritation
Flam. Gas	Flammable gas
Flam. Liq.	Flammable liquid
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC_{50}	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD_{50}	Lethal dose of a substance in which it can be expected death of 50% of the population
LOAEC	Lowest observed adverse effect concentration
log Kow	Octanol-water partition coefficient
NOEC	No observed effect concentration
OEL	Occupational Exposure Limits
PBT	Persistent, bioaccumulative and toxic
PMT	Persistent, mobile and toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization
STOT SE	Specific target organ toxicity - single exposure

UN number	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very persistent and very bioaccumulative
vPvM	Very persistent and very mobile

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

The version 1.1 replaces the SDS version from Monday, 11 March 2024. Changes were made in sections 2, 5, 6, 7, 8, 9, 11, 12, 13 and 16.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.