Merida®	**SAFETY DATA SHEET**	**Date of issue: 27.07.2025** **VERSION: 1.0/EN**

OE77 DAVANIA

in accordance with Commission Regulation (EU) No **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)

1 SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

DAVANIA - WYMIENNY WKŁAD DO ELEKTRONICZNYCH ODŚWIEŻACZY POWIETRZA – 250 ml
DAVANIA –Aerosol refill for use in electronic air fresheners – 250 ml
MERIDA symbol: OE77
UFI: GG10-J0NG-700R-2CDJ

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

Identified uses: Refill for electronic air fresheners.
Uses advised against: Use solely for its intended purpose.

1.3 Details of the supplier of the safety data sheet

Merida Sp. z. o.o.
ul. Karkonoska 59,
53-015 Wrocław – dolnośląskie, Poland
Tel.: +48 (071) 33 97 888
Fax: +48 (071) 361 61 61
e-mail: justyna.golebiowska@merida.com

1.4 Emergency telephone number

112 (emergency telephone number). 998 (Fire Brigade), 999 (Medical Rescue Service)

Emergency telephone number

Country	Official advisory body	Address	Emergency number	Remark
Austria	Vergiftungsinformationszentra le (Poisons Information Centre)	Stubenring 6 1010 Wien	+43 1 406 43 43	
Belgium	Centre Anti-Poisons/ Antigifcentrum c/o Hôpital Central de la Base – Reine Astrid	Rue Bruyn 1 B -1120 Bruxelles/Brussel	+32 70 245 245	Please dial: 070 245245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial: 02 264 96 30 (standard fee)
Bulgaria	Национален токсикологичен информационен център (National Toxicological Information Centre) Многопрофилна болница за активно лечение и спешна медицина "Н.И.Пирогов" (National Clinical Toxicology Centre), Emergency Medical Institute "Pirogov"	21 Totleben Boulevard 1606 SOFIA	+359 2 9154 409	
Croatia	Centar za kontrolu otrovanja Institut za medicinska istraživanja i medicinu rada	Ksaverska Cesta 2 p.p. 291 10000 Zagreb	+385 1 234 8342	
Cyprus	Κέντρου Δηλητηριάσεων		1401	Operating hours 24 hours / 24 hours, 7 days a week
Czech Republic	Toxikologickéinformačnístředisko Klinikapracovníholékařství VFN a 1. LF UK	Na Bojišti 1 120 00 Praha 2	+420 224 919 293 +420 224 915 402	
Denmark	Giftlinjen Bispebjerg Hospital	Bispebjerg Bakke 23 2400 København NV	+45 82 12 12 12	
Estonia	Mürgistusteabekeskus	Gonsiori 29 15027 Tallinn	16662 +372 626 93 90	
Finland	Myrkytystietokeskus	Stenbäckinkatu 9 PO BOX 100 29 Helsinki	+358 9 471 977 +358 9 4711	
France	Centre Antipoison et de Toxicovigilance de Paris Hôpital Fernand Widal	200 rue du Faubourg Saint-Denis 75475 Paris Cedex 10	+33 1 40 05 48 48	
France	Centre Antipoison et de Toxicovigilance de Marseille Hôpital Sainte Marguerite	270 boulevard de Sainte Marguerite 13274 Marseille Cedex 09	+33 4 91 75 25 25	
Germany	Giftnotruf München Toxikologische Abteilung der II. Med. Klinik und Poliklinik rechts der Isar der Technischen Universität München	Ismaninger Straße 22 81675 München	+49 (0) 89 19240	
Germany	Giftnotruf der Charité CBF, Haus VIII (Wirtschaftgebäude), UG	Hindenburgdamm 30 12203 Berlin	+49 (0) 30 19240	
Greece	Poisons Information Centre Children's Hospital P&A Kyriakou	11762 Athens	+30 2 10 779 3777	

Hungary	Országos Kémiai Biztonsági Intézet Egészségügyi Toxikológiai Tájékoztató Szolgálat	Nagyvárad tér 2. 1437 Budapest, Pf. 839 1097 Budapest	+36 80 20 11 99	
Iceland	Eitrunarmiðstöð Landspítali	Fossvogi 108 Reykjavik	+354 543 22 22	
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Italy	Centro Antiveleni Dipartimento di Tossicologia Clinica, Universita Cattolica del Sacro Cuore	Largo Agostino Gemelli 8 168 Roma	+39 06 305 4343	
Latvia	Valsts Toksikoloģijas centrs, Saindēšanās un zāļu informācijas centrs	Hipokrāta 2 1038 Rīga	+371 67 04 24 73	
Lithuania	Apsinuodijimų informacijos biuras	Birutės g. 56 8110 Vilnius	+370 5 236 20 52 +370 687 53378	
Luxembourg	Centre Anti-Poisons/ Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 1120 Bruxelles/Brussel	+352 8002 5500	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
Netherlands	Nationaal Vergiftigingen Informatie Centrum Universitair Medisch Centrum Utrecht, Het Nationaal Vergiftigingen Informatie Centrum (NVIC) informeert (dieren-) artsen, apothekers en andere professionele hulpverleners over de mogelijke gezondheidseffecten en behandelingsmogelijkheden bij vergiftigingen. Het NVIC is hiervoor dag en nacht bereikbaar, zowel telefonisch als via internet	Huispostnummer B.00.118 PO Box 85500 3508 GA Utrecht	+31 30 274 88 88	Only for thepurpose of informing medical personnel in cases of acute intoxications
Norway	Giftinformasjonen Helsedirektoratet	P.O. Box 7000 St. Olavs Plass 130 Oslo	+47 22 591300	
Poland				
Portugal	Centro de InformaçãoAntivenenosInstituto Nacional de Emergência Médica	Rua Almirante Barroso, 36 1000-013 Lisboa	+351 808 250 143	
Romania	Department of Clinical Toxicology Spitalul de Urgenta Floreasca	Calea Floreasca Bucuresti	+40 21 230 8000	
Serbia	Nacionalni centar za kontrolu trovanja - VMA	Crnotravska 17 11000 Beograd	+381 11 360 84 40 (24h) +381 11 3672 187	
Slovakia	Národné toxikologickéinformačné centrum UniverzitnánemocnicaBratislava, pracoviskoKramáre, Klinikapracovnéholekárstva a toxikológie	Limbová 5 833 05 Bratislava	+421 2 54 77 41 66	
Slovenia	Center za kliničnotoksikologijo in farmakologijoInternaklinika, UKCL	Zaloška cesta 7 1525 Ljubljana	+386 41 650 500	
Spain	Servicio de Información Toxicológica Instituto Nacional de Toxicología y Ciencias Forenses, Departamento de Sevilla	Carretera de San Jerónimo Km 0,4 41080 Sevilla	+34 91 562 04 20	(Toxicological emergencies only). Information in Spanish (24/7)
Sweden	Giftinformationscentralen	Box 60 500 171 76 Stockholm	112 – begär Giftinformation +46 10 456 6700 (Från utlandet)	(from abroad: +41 44 251 51 51) non urgent inquiry: +41 44 251 66 66
Switzerland	Tox Info Suisse	Freiestrasse 16 8032 Zürich	145	

2 SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Physical and chemical hazards:

Flammable aerosols, Hazard Category 1 [Aerosol 1]

Extremely flammable aerosol. Pressurised container: May burst if heated (H222-H229)

Health hazards

Serious eye damage/eye irritation, Hazard Category 2 [Eye Irrit. 2]

Causes serious eye irritation. (H319)

Environmental hazards:

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use is expected.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008".

Pictogram

GHS02 **GHS07**

Signal word: Danger

Hazard statement(s)

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

Precautionary statement(s):

General:
P102 Keep out of reach of children.
Prevention:
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
Storage:
P410+P412 Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122 °F.
Disposal
P501 Dispose of contents/container in accordance with applicable regulations.

Supplemental hazard information

EUH208 Contains [Coumarin; α-hexylcinnamaldehyde; Benzyl alcohol; Limonene]. May produce an allergic reaction.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent,bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or high.

3 SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances:

Not applicable.

3.2 Mixtures:

Substance identifier	Name of the substance	Weight fraction %	Classification in line with The Regulation (EC) No. 1272/2008		
			Signal Word Code(s)	Hazard Class and Category Code(s)	Hazard Statement Code(s)
CAS No: 106-97-8 CE No: 203-448-7 Index No: 601-004-00-0 REACH-Reg No: 01-2119474691-32-xxxx	Butane [1]	50<x<100	GHS02 Dgr	Flam. Gas 1 Press Gas	H220 H280
CAS No: 74-98-6 CE No: 200-827-9 Index No: 601-003-00-5 REACH-Reg No: 01-2119486944-21-xxxx	Propane [1]	10<x<25	GHS02 GHS04 Dgr	Flam. Gas 1 Press. Gas 1	H220 H280
CAS No: 64-17-5 CE No: 200-578-6 Index No: 603-002-00-5 REACH-Reg No: 01-2119457610-43-xxxx	Ethanol[1]	10<x<25	GHS02 GHS07 Dgr	Flam. Liq. 2 Eye Irrit. 2	H225 H319
CAS No: 91-64-5 EC No: 202-086-7 Index No: REACH-Reg No: 01-2119949300-45-xxxx	Coumarin	0<x<1	GHS07 Wng	Acute Tox 4 Skin Irrit. 2	H302 H317
CAS No: 101-86-0 EC No: 202-983-3 Index No: REACH-Reg No: 01-2119533092-50-xxxx	α-hexylcinnamaldehyde	0<x<1	GHS09 GHS07 Wng	Skin Sens. 1B Aquatic Acute 1 M=1 Aquatic Chronic 2	H317 H400 H411
CAS No: 84-66-2 CE No: 201-550-6 Index No: REACH-Reg No: 01-2119486682-27-xxxx	Diethyl phthalate [1]	0<x<1	_____	_____	_____
CAS No: 100-51-6 EC No: 202-859-9 Index No: 603-057-00-5 REACH-Reg No: 01-2119492630-38-xxxx	Benzyl alcohol [1]	0<x<1	GHS07 Wng	Acute Tox. 4 Acute Tox. 4 Skin Sens 1B Eye Irrit. 2	H332 H302 H319 H317
CAS No: 87-19-4 EC No: 201-729-9 Index No: REACH-Reg No:	Isobutyl salicylate	0<x<1	GHS07 GHS09 Wng	Acute Tox. 4 Aquatic Acute 1 M=1 Aquatic Chronic 2	H302 H400 H411
CAS No: 67634-00-8 EC No: 266-803-5 Index No: REACH-Reg No: 01-2120794630-50-xxxx	Allyl (3-methylbutoxy)acetate	0<x<1	GHS06 GHS09 Dgr	Acute. Tox. 4 Skin Irrit. 2 Acute. Tox. 2	H302 H312 H330
CAS: 5989-27-5 EC: 227-813-5 Index: 601-029-00-7 REACH-Reg No: 01-2119529223-47-xxxxx	Limonene [1]	0<x<1	GHS02 GHS09 GHS08 GHS07 Dgr	Flam. Liq. 3 Skin Irrit. 2 Skin Sens. 1 Asp. Tox. 1 Aquatic Acute 1 M=1 Aquatic Chronic 2	H226 H315 H317 H304 H400 H412

[1]Substance with national exposure limit in the workplace.

Full H phrases are specified in point 16 hereof.

4 SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Contact with Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water. Seek medical advice if irritation occurs.

Contact with Eyes: Rinse eyes gently with lukewarm water for at least 15 minutes, keeping eyelids open. Avoid strong water jet. Remove contact lenses if present and easy to do. Consult an ophthalmologist if irritation persists.

Ingestion: Exposure by this route is unlikely. If small amount is swallowed, rinse mouth with water. Do not induce vomiting. Seek medical advice and show the label or packaging.

Inhalation: Move the affected person to fresh air. Keep warm and at rest. If symptoms persist or worsen – consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

See Sections 2 and 11 for details. May cause irritation of eyes, skin or respiratory tract.

4.3 Indication of any immediate medical attention and special treatment needed

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured. Treat symptomatically.

5 SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Carbon dioxide (CO_2), dry powder, alcohol-resistant foam, water mist.

Unsuitable extinguishing media:

Do not use high-pressure water jet – may spread fire or disperse the aerosol.

5.2 Special hazards arising from the substance or mixture

Flammable product. Aerosol containers may explode when exposed to heat or fire (risk of bursting under pressure). Hazardous decomposition products may be released during fire, such as carbon oxides, aldehydes and other toxic fumes.

5.3 Advice for firefighters

Use standard protective measures typical for fire situations. Do not remain in the fire-exposed area without appropriate chemical-resistant clothing and self-contained breathing apparatus. Prevent firefighting water from entering sewers, surface waters, or groundwater. Gas may accumulate near the ground and travel over long distances, posing a fire or explosion hazard. Cool containers at risk of fire from a safe distance using a water spray. Collect the used extinguishing agents.

6 SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Restrict access of bystanders to the affected area until appropriate cleanup operations are completed. Ensure that only trained personnel handle the cleanup and its consequences. In case of large spills, isolate the hazard area. Avoid contamination of skin and eyes. Do not inhale the aerosol. Avoid contact with the substance. Eliminate all ignition sources if it is safe to do so. Ensure adequate ventilation.

6.2 Environmental precautions

Do not allow to enter drains, surface water or soil. In case of larger spills, notify appropriate emergency services. Prevent further leakage or release into the environment.

6.3 Methods and material for containment and cleaning up

Secure the spill area. Avoid inhalation of vapours and skin contact. Move damaged aerosol cans to a safe location, away from ignition sources and protect from heat. Do not puncture or incinerate empty containers – risk of explosion. Absorb spilled liquid with inert material (e.g. sand, diatomaceous earth, chemical binder) and dispose of according to regulations. Ventilate the area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

7 SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

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. Avoid inhalation of aerosol. Ensure adequate ventilation. Avoid contact with eyes and skin. Keep away from food, drink and animal feed.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well-ventilated area away from heat sources, sparks, open flames and hot surfaces. Do not expose to temperatures exceeding 50 °C. Protect from direct sunlight and frost. Store upright in the original tightly closed container. Keep out of reach of children.

7.3 Specific end use(s)

See section 1.2 MSDS.

8 SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control parameters

n-Butane (CAS: 106-97-8)

Austria:
– TWA: 800 ppm / 1600 mg/m³
– STEL: 1600 ppm / 3800 mg/m³
Belgium:
– STEL: 980 ppm / 2370 mg/m³ (1)
Denmark:
– TWA: 500 ppm / 1200 mg/m³
– STEL: 1000 ppm / 2400 mg/m³
Finland:
– TWA: 800 ppm / 1900 mg/m³
– STEL: 1000 ppm / 2400 mg/m³ (1)
France:
– TWA: 800 ppm / 1900 mg/m³
Germany (AGS):
– TWA: 1000 ppm / 2400 mg/m³
– STEL: 4000 ppm / 9600 mg/m³ (1)
Germany (DFG):
– TWA: 1000 ppm / 2400 mg/m³
– STEL: 4000 ppm / 9600 mg/m³ (1)

Hungary:
– TWA: 2350 mg/m³
– STEL: 9400 mg/m³ (1)
Ireland:
– STEL: 1000 ppm (1)
Latvia:
– TWA: 300 mg/m³
Norway:
– TWA: 250 ppm / 600 mg/m³
Poland:
– TWA: 1900 mg/m³
– STEL: 3000 mg/m³
Spain:
– TWA: 800 ppm / 1935 mg/m³
Switzerland:
– TWA: 800 ppm / 1900 mg/m³
United Kingdom:
– TWA: 600 ppm / 1450 mg/m³
– STEL: 750 ppm / 1810 mg/m³

Ethanol (CAS: 64-17-5)
Austria:
– TWA: 1000 ppm / 1900 mg/m³
– STEL: 2000 ppm / 3800 mg/m³
Belgium:
– TWA: 1000 ppm / 1907 mg/m³
Denmark:
– TWA: 1000 ppm / 1900 mg/m³
– STEL: 2000 ppm / 3800 mg/m³
Finland:
– TWA: 1000 ppm / 1900 mg/m³
– STEL: 1300 ppm / 2500 mg/m³ (1)
France:
– TWA: 1000 ppm / 1900 mg/m³
– STEL: 5000 ppm / 9500 mg/m³
Germany (AGS):
– TWA: 200 ppm / 380 mg/m³
– STEL: 800 ppm / 1520 mg/m³ (1)
Germany (DFG):
– TWA: 200 ppm / 380 mg/m³
– STEL: 800 ppm / 1520 mg/m³ (1)
Hungary:
– TWA: 1900 mg/m³
– STEL: 7600 mg/m³
Ireland:
– STEL: 1000 ppm (1)
Latvia:
– TWA: 1000 mg/m³
Norway:
– TWA: 500 ppm / 950 mg/m³

Poland:
– TWA: 1900 mg/m³
Romania:
– TWA: 1000 ppm / 1900 mg/m³
– STEL: 5000 ppm / 9510 mg/m³ (1)
Spain:
– TWA: 1000 ppm / 1900 mg/m³
Sweden:
– TWA: 500 ppm / 1000 mg/m³
– STEL: 1000 ppm / 1900 mg/m³ (1)
Switzerland:
– TWA: 500 ppm / 960 mg/m³
– STEL: 1000 ppm / 1920 mg/m³
The Netherlands:
– TWA: 260 ppm
– STEL: 1900 mg/m³
United Kingdom:
– TWA: 1000 ppm / 1920 mg/m³

Propane (CAS: 74-98-6)
Austria:
– TWA: 1000 ppm / 1800 mg/m³
– STEL: 2000 ppm / 3600 mg/m³
Belgium:
– TWA: 1000 ppm
Denmark:
– TWA: 1000 ppm / 1800 mg/m³
– STEL: 2000 ppm / 3600 mg/m³
Finland:
– TWA: 800 ppm / 1500 mg/m³
– STEL: 1100 ppm / 2000 mg/m³ (1)
Germany (AGS):
– TWA: 1000 ppm / 1800 mg/m³
– STEL: 4000 ppm / 7200 mg/m³ (1)
Germany (DFG):
– TWA: 1000 ppm / 1800 mg/m³
– STEL: 4000 ppm / 7200 mg/m³ (1)
Latvia:
– TWA: 1000 ppm / 1800 mg/m³
Norway:
– TWA: 500 ppm / 900 mg/m³
Poland:
– TWA: 1800 mg/m³
Romania:
– TWA: 778 ppm / 1400 mg/m³
– STEL: 1000 ppm / 1800 mg/m³ (1)
Spain:
– TWA: 1000 ppm
Switzerland:
– TWA: 1000 ppm / 1800 mg/m³
– STEL: 4000 ppm / 7200 mg/m³

Diethyl phthalate [84-66-2]
Austria: TWA 3 mg/m³, STEL 5 mg/m³
Belgium: TWA 5 mg/m³
Denmark: TWA 3 mg/m³, STEL 6 mg/m³
Finland: TWA 5 mg/m³, STEL 10 mg/m³ (1)
France: TWA 5 mg/m³
Ireland: TWA 5 mg/m³, STEL 10 mg/m³ (1)
Latvia: TWA 0.5 mg/m³
Norway: TWA 3 mg/m³
Poland: TWA 5 mg/m³ (1)
Spain: TWA 5 mg/m³
Sweden: TWA 3 mg/m³, STEL 5 mg/m³ (1)
Switzerland: TWA 5 mg/m³ (frakcja wdychalna)
United Kingdom: TWA 5 mg/m³, STEL 10 mg/m³
D-Limonene [5989-27-5]
Finland: TWA 22 ppm / 140 mg/m³, STEL 50 ppm / 280 mg/m³ (1)
Germany (AGS/DFG): TWA 5 ppm / 28 mg/m³, STEL 20 ppm / 110–112 mg/m³ (1)(2)
Norway: TWA 25 ppm / 140 mg/m³
Spain: STEL 30 ppm / 168 mg/m³ (1)
Switzerland: TWA 7 ppm / 40 mg/m³, STEL 14 ppm / 80 mg/m³ (1)
Benzyl alcohol [CAS 100-51-6]:
Finland: 8-hour TWA: 10 ppm / 45 mg/m³
Germany (AGS): 8-hour TWA: 5 ppm / 22 mg/m³ *(1)*; Short-term (15 min): 10 ppm / 44 mg/m³ *(1)(2)*
Germany (DFG): 8-hour TWA: 5 ppm / 22 mg/m³ *(1)(2)*; Short-term (15 min): 10 ppm / 44 mg/m³ *(1)(2)(3)*
Latvia: 8-hour TWA: 5 mg/m³
Poland: 8-hour TWA: 250 mg/m³
Switzerland: 8-hour TWA: 5 ppm / 22 mg/m³

DNEL/PNEC
Ethanol (CAS: 64-17-5, EC: 200-578-6)
DNEL – Workers:
– dermal, long-term exposure, systemic effects: 343 mg/kg bw/day
– inhalation, long-term exposure, systemic effects: 950 mg/m³
DNEL – General population:
– oral, long-term exposure, systemic effects: 87 mg/kg bw/day
– dermal, long-term exposure, systemic effects: 206 mg/kg bw/day
– inhalation, long-term exposure, systemic effects: 114 mg/m³
PNEC:
– freshwater: 0.96 mg/L
– marine water: 0.79 mg/L
– freshwater sediment: 3.6 mg/kg
– marine sediment: 2.9 mg/kg
– soil: 0.63 mg/kg
– sewage treatment plant: 580 mg/L
– intermittent release: 2.75 mg/L

Recommended control procedures
Procedures concerning the control over the dangerous components concentrations in the air and control over the air quality in the workplace – if they are available and justified for the position – in accordance with the European

Standards, with the conditions within the exposure place and a proper test methodology adapted to the working conditions.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Use only in well-ventilated areas. Provide local exhaust ventilation if necessary.

8.2.2 Individual protection measures, such as personal protective equipment

Respiratory protection: Not required under normal conditions. If ventilation is inadequate – use half-mask with A2/P2 filter.

Hands and skin: Chemical-resistant protective gloves, e.g. nitrile (EN 374).

Eyes: Protective goggles or face shield against aerosol (EN 166).

Body protection: Protective clothing to avoid direct contact with the product.

8.2.3 Environmental exposure controls

Prevent from entering the municipal sewage system and watercourses. Any emissions from ventilation systems and process equipment should be checked to determine their compliance with environmental protection regulations.

9 SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Aerosol [Liquid]
Colour:	According to product specification
Odour:	Characteristic, of the fragrance composition
Melting point/freezing point:	Not applicable (pressurised product)
Boiling point or initial boiling point and boiling range:	Not determined
Flammability:	Extremely flammable aerosol
Lower and upper explosion limit:	Not determined
Flash point:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
pH:	Not applicable (aerosol)
Kinematic viscosity:	Not determined
Solubility:	Soluble in water
Partition coefficient n-octanol/water (log value):	Not determined
Vapour pressure:	110 kPa (1.10 bar)
Density and/or relative density:	Not determined
Relative vapour density:	Not determined
Particle characteristics:	Not applicable [aerosol]

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Explosive properties The product may form explosive mixtures

Oxidising properties Does not exhibit oxidising properties

9.2.2 Other safety characteristics

No information relevant to safe use of the mixture is available.

10 SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

The product does not undergo hazardous polymerization.

10.2 Chemical stability
Stable under the recommended storage and usage conditions.

10.3 Possibility of hazardous reactions
No hazardous reactions are known under normal conditions of use

10.4 Conditions to avoid
Avoid high temperatures, direct sunlight, open flames, sparks, ignition sources and freezing.

10.5 Incompatible materials
Strong oxidisers, strong acids and bases.

10.6 Hazardous decomposition products
In case of fire or thermal decomposition, may release carbon oxides, aldehydes, aromatic hydrocarbons and other toxic compounds.

11 SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
Toxicity of mixture components:
Ethanol (CAS: 64-17-5, EC: 200-578-6)
LD_{50} (oral, rat): 6200 mg/kg
LD_{50} (dermal, rabbit): 20000 mg/kg
LC_{50} (inhalation, rat, 4 h): 124.7 mg/L
Butane (CAS: 106-97-8, EC: 203-448-7)
LD_{50} (oral): 2500 mg/kg
LD_{50} (dermal): 2500 mg/kg
LC_{50} (inhalation, rat, 4 h): 658 mg/L
Propane (CAS: 74-98-6, EC: 200-827-9)
LD_{50} (oral): 2500 mg/kg
LD_{50} (dermal): 2500 mg/kg
LC_{50} (inhalation, rat, 4 h): 25 mg/L
Mixture Toxicity:
Acute Toxicity:
Toxicity of the mixture (calculated):
ATE oral: >2000 mg/kg
ATE dermal: >2000 mg/kg
ATE inhalation (4 h): >20 mg/L
Based on available information, classification criteria are not met.
Skin corrosion/irritation:
Based on available information, classification criteria are not met.
Serious eye damage/irritation:
Causes serious eye irritation.
Respiratory or skin sensitisation
EUH208 Contains [Coumarin; α-hexylcinnamaldehyde; Benzyl alcohol; Limonene]. May produce an allergic reaction.
Germ cell mutagenicity
Based on available information, classification criteria are not met.
Carcinogenicity
Based on available information, classification criteria are not met.
Reproductive toxicity
Based on available information, classification criteria are not met.
STOT-single exposure:
Based on available information, classification criteria are not met.

STOT-repeated exposure;
Based on available information, classification criteria are not met.
Aspiration hazard
Based on available information, classification criteria are not met.

11.2 Information on other hazards

11.2.1 **Endocrine disrupting properties**

The product does not contain substances included in the list established in accordance with Article 59 (1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 (3) or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

11.2.2 **Other information**

Not applicable to substances.

12 SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity of Mixture Components:
Ethanol (CAS: 64-17-5, EC: 200-578-6)
Fish: LC_{50} (96 h): 11000 mg/L (Alburnus alburnus)
Crustaceans: EC_{50} (48 h): 9268 mg/L (Daphnia magna)
Algae: EC_{50} (192 h): 1450 mg/L (Microcystis aeruginosa)
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (CAS: 54464-57-2, EC: 259-174-3)
Fish: LC_{50} (96 h): >0.1 – 1 mg/L
Crustaceans: EC_{50} (48 h): >0.1 – 1 mg/L
Algae: EC_{50} (72 h): >0.1 – 1 mg/L
Product toxicity
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use is expected.
Do not allow product to enter watercourses, sewage system or soil.
Consider:
– reducing the use of single-use products and packaging,
– participating in recycling activities.

12.2 Persistence and degradability

Ethanol (CAS: 64-17-5)
Concentration: 100 mg/L
Duration: 14 days
% biodegradable: 89%
BOD_5, COD, BOD_5/COD: not available

12.3 Bioaccumulative potential

Ethanol
BCF: 3
Log Pow: –0.31
Bioaccumulation potential: low
Butane (CAS: 106-97-8)
BCF: 33
Log Pow: 2.89
Bioaccumulation potential: moderate
Propane (CAS: 74-98-6)
BCF: 13

Log Pow: 2.86
Bioaccumulation potential: low

12.4 Mobility in soil

Gaseous components quickly evaporate from the surface of soil and water. The mobility of the substance depends on their hydrophilic and hydrophobic properties and abiotic and biotic conditions of soil, including its structures, climatic conditions, seasons and soil organisms, mainly (bacteria, fungi, algae, invertebrates).

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Endocrine disrupting properties

Not applicable to substances The product shall not contain ingredients included on the list established in accordance with Article 59(1) as having endocrine disrupting properties or ingredients with endocrine disrupting properties according to the criteria laid down in Regulation 2017/2100/EU or Regulation 2018/605/EU in concentrations equal to or greater than 0.1%.

12.7 Other adverse effects

No other known adverse environmental effects under normal conditions of use.

13 SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste generation should be minimized whenever possible. Do not allow contamination of surface or groundwater. Dispose of contents and containers in accordance with local/national regulations.

Recommendations for the mixture:

Recover if possible; otherwise, dispose of in accordance with applicable regulations. Do not empty residue from original containers. Waste code should be determined at the site of generation.

Recommendations for packaging:

Ensure containers are fully emptied before disposal. Do not puncture or burn, even after use. Pressurised containers must be disposed of in accordance with local requirements. Only fully emptied packaging may be recycled.

Suggested waste codes (according to the Waste Catalogue):

– 15 01 11* –metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers

– 16 05 04* – Gases in pressure containers (including halons) containing hazardous substances.

Waste classification according to Commission Regulation (EU) No 1357/2014:

– HP3 – Flammable

– HP4 – Irritant

The waste is classified as hazardous.

Legal basis: Directive 2008/98/EC and Directive 94/62/EC."

14 SECTION 14: TRANSPORT INFORMATION

The mixture is subject to regulations for the transport of dangerous goods as specified in ADR (road transport), RID (rail transport), ADN (inland waterway transport), IMDG (maritime transport), ICAO/IATA (air transport).

14.1 UN number or ID number

ADR/RID/IMDG/IATA: **UN1950**

14.2 UN proper shipping name

ADR/RID **AEROSOLS, flammable**

IMDG/IATA: AEROSOLS

14.3 Transport hazard class(es)

ADR/RID/IMDG/IATA: 2

14.4 Packing group

ADR/RID/IMDG/IATA: Not applicable

14.5 Environmental hazards

ADR/RID/IMDG/IATA: Mixture is not hazardous for the environment according to the criteria of transport regulations

14.6 Special precautions for user

ADR

Tunnel Restriction Code: [D]
Transport Category: 2
Limited Quantities (3.4.6): 1L
Excepted Quantities: E0
Special Provisions: 190, 327, 344, 625
Special Packing Provisions: V14
Special Loading Provisions: CV9; CV12
Packing Instructions: P207, LP200// PP87; RR6; L2
Mixed Packing: MP9

RID

Transport Category: 2
Limited Quantities (3.4.6): 1L
Excepted Quantities: E0
Special Provisions: 190, 327, 344, 625
Packing Instructions: P207, LP200// PP87; RR6; L2
Mixed Packing: MP9
Express Parcels: CE2
Tank Instructions:
Special Tank Provisions:
Hazard Identification Number: 23
Special Packing Provisions: W14
Special Loading Provisions: CW9; CW12

IMDG

EmS Code: F-D, S-U
Storage: SW1; SW22
Segregation: SG69
Limited Quantities: 1000 ml
Excepted Quantities: E0
Packing Instructions: P207, LP200/PP87; L2
Special Provisions: 63, 190, 277, 327, 344, 381, 959

IATA

Hazard Labels: Flammable Gas
IATA (Passenger and Cargo Aircraft)
Excepted Quantities (IATA): E0
Limited Quantities (IATA): Y203

Limited Quantities Maximum Net Quantity (IATA): 30 kg G
Packing Instructions (IATA): 203
Maximum Net Quantity (IATA): 75 kg
IATA (Cargo Aircraft Only)
Packing Instructions (IATA): 203
Maximum Net Quantity (IATA): 150 kg
Special Provisions (IATA): A145; A167; A802
ERG Code (IATA): 10L

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

15 SECTION 15: REGULATORY INFORMATION

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

Directive 2012/18/EU (Seveso III)	**P3a FLAMMABLE AEROSOLS** 'Flammable' aerosols Category 1 or 2, containing flammable gases Category 1 or 2 or flammable liquids Category 1 Qualifying quantity (tonnes) for the application of lower and upper-tier requirements: 150 net 500 net." **150 net** **500 net**

Other legislation:

1. **Regulation (EC) No 1907/2006** concerning the Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH), establishing a 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.
2. **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).
3. **Regulation (EC) No 648/2004** of the European Parliament and of the Council of 31 March 2004 on detergents.
4. **Directive 94/62/EC** of the European Parliament and of the Council of 20 December 1994 on packaging and packaging waste, as amended.
5. **Regulation (EC) No 850/2004** of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC (as amended by subsequent regulations).
6. **Regulation (EC) No 1013/2006** of the European Parliament and of the Council of 14 June 2006 on shipments of waste (Waste Shipment Regulation).
7. **Regulation (EU) No 649/2012** of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals (PIC Regulation).
8. **Regulation (EC) No 1223/2009** of the European Parliament and of the Council of 30 November 2009 on cosmetic products.
9. **Regulation (EC) No 1272/2008** on classification, labelling, and packaging of substances and mixtures (CLP), including the latest Adaptations to Technical Progress (ATPs).
10. **Directive 2012/19/EU** of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE Directive).
11. **Regulation (EU)** No **2019/**1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants (recasting Regulation (EC) No 850/2004).
12. **Regulation (EU) 2019/1148** of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors**.**

13. **Act of 13 April 2016** on the safety of trading in explosives precursors (Journal of Laws 2016, item 669; consolidated text: Journal of Laws 2019, item 994).
14. **Act of 25 February 2011** on chemical substances and their mixtures (Journal of Laws 2011, No 63, item 322; consolidated text: Journal of Laws 2022, item 1816).
15. Act of 13 June 2013 on the management of packaging and packaging waste (consolidated text: Journal of Laws 2024, item 927).
16. **Act of 14 December 2012** on waste (consolidated text: Journal of Laws 2023, item 1587).
17. **Regulation of the Minister of Economy of 5 November 2009** on specific requirements for aerosol products (Journal of Laws 2009 No 188, item 1460 as amended).
18. **Notice of the Minister of Entrepreneurship and Technology of 15 April 2019** on the announcement of the consolidated text of the Regulation of the Minister of Economy on specific requirements for aerosol products (Journal of Laws 2019, item 975**).**
19. **Act on the transport of dangerous goods of 19 August 2011** (Journal of Laws No 227, item 1367; consolidated text: Journal of Laws 2022, item 2147).
20. **Government Statement of 6 March 2025** on the entry into force of amendments to Annexes A and B to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), done at Geneva on 30 September 1957 (Journal of Laws 2025, item 642).

15.2 Chemical safety assessment

The supplier has not assessed chemical safety It is not required for the mixture.

16 SECTION 16: OTHER INFORMATION

Key literature references and data sources

This safety data sheet was prepared based on manufacturer's data, literature data, online databases, and our knowledge and experience, taking into account the current legislation

Classification according to Regulation (EC) No 1272/2008		
Aerosol 1	H222-H229	Classification Criteria 2.3.2
Eye Irrit. 2	H319	calculation method

H (hazard) phrases specified in point 2 and 3 hereof:

H220	Extremely flammable gas
Flam. Gas 1	Flammable gases, Hazard Category 1
H280	Contains gas under pressure; may explode if heated.
Press Gas	Flammable gas category 1
H225	Highly flammable liquid and vapour.
Flam. Liq. 2	Flammable liquids, Hazard Category 2.
H317	May cause an allergic skin reaction.
Skin Sens. 1	Sensitisation — Skin, hazard category 1, 1A, 1B.
H319	Causes serious eye irritation.
Eye Irrit. 2	Serious eye damage/eye irritation, Hazard Category 2.
H400	Very toxic to aquatic life.
Aquatic Acute 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1.
H411	Toxic to aquatic life with long lasting effects.
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2.
H315	Causes skin irritation.
Skin Irrit. 2	Skin corrosion/irritation, Hazard Category 2.

H410	Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1.
H412	Harmful to aquatic life with long lasting effects.
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3.
H304	May be fatal if swallowed and enters airways
Asp.Tox.1	Aspiration hazard, Hazard Category 1
H226	Flammable liquid and vapour.
Flam. Liq. 3	Flammable liquids, Hazard Category 3.
H312	Toxic in contact with skin
Acute Tox 4	Acute toxicity (dermal), Hazard Category 4
H332	Harmful if inhaled.
Acute Tox4	Acute toxicity (inhal.), Hazard Category 4
H302	Harmful if swallowed
Acute Tox4	Acute toxicity (oral), Hazard Category 4

Explanation of returns

ATE	Acute Toxicity Estimate
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AND	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CEN	European Committee for Standardisation
C&L	Classification and Labelling
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
CAS#	Chemical Abstracts Service number
CMR	Carcinogen, Mutagen, or Reproductive Toxicant
CSA	Chemical Safety Assessment
DNEL	Derived No Effect Level
DPD	Dangerous Preparations Directive 1999/45/EC
ECHA	European Chemicals Agency
EC-Number	EINECS and ELINCS Number (see also EINECS and ELINCS)
EEC	European Economic Community
EINECS	European Inventory of Existing Commercial Substances
ELINCS	European List of notified Chemical Substances
GHS	Globally Harmonized System
IATA	International Air Transport Association
ICAO-TI	Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG	International Maritime Dangerous Goods
IMSBC	International Maritime Solid Bulk Cargoes
IUCLID	International Uniform Chemical Information Database
IUPAC	International Union for Pure Applied Chemistry
Know	octanol-water partition coefficient
LC50	Lethal Concentration to 50 % of a test population
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
LoW	List of Wastes (see http://ec.europa.eu/environment/waste/framework/list.htm)
MSDS	Material Safety Data Sheet
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative and Toxic substance
PEC	Predicted Effect Concentration

PNEC(s)	Predicted No Effect Concentration(s)
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STOT	Specific Target Organ Toxicity
(STOT) RE	Repeated Exposure
(STOT) SE	Single Exposure
SVHC	Substances of Very High Concern
UFI	Unique Formula Identifier
UN	United Nations
vPvB	Very Persistent and Very Bioaccumulative

Training

Prior to working with the product you should be familiar with safety rules for handling the chemicals, in particular take proper workplace training. **People associated with the transport of hazardous materials in accordance with ADR** should be adequately trained to perform their duties (general training, bench and safety).

The above information describes exclusively the safety requirements of the product and is based onour present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.