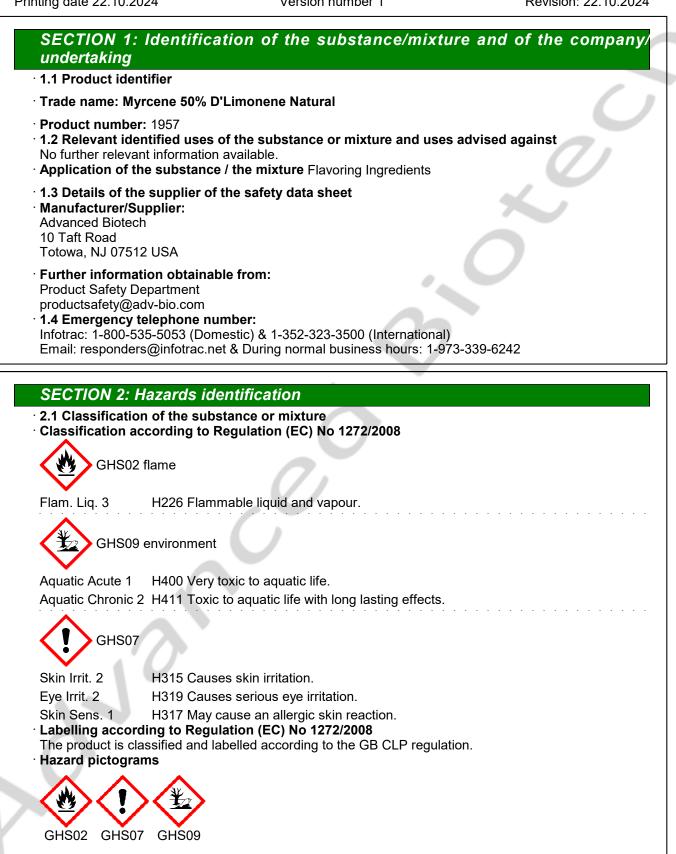


Printing date 22.10.2024

#### Safety data sheet according to UK REACH

Version number 1

Revision: 22.10.2024



(Contd. on page 2) GB

Safety data sheet according to UK REACH

Revision: 22.10.2024

## Trade name: Myrcene 50% D'Limonene Natural

· Signal word Wa	(Contd. of page 1)
-	ining components of labelling:
· Hazard stateme	ents
H226 Flammabl	le liquid and vapour.
H315 Causes sł	
H319 Causes se	erious eye irritation.
	e an allergic skin reaction.
H400 Very toxic	
	quatic life with long lasting effects.
· Precautionary	statements
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241	Use explosion-proof [electrical/ventilating/lighting] equipment.
P303+P361+P3	53 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P3	38 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact
	lenses, if present and easy to do. Continue rinsing.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national/international
	regulations.
· 2.3 Other hazar	rds
· Results of PBT	and vPvB assessment
· PBT: Not applic	able.
· <b>vPvB:</b> Not appli	
	<u>A</u>

<ul> <li>3.1 Substances</li> <li>CAS No. Description CAS: 123-35-3 Myrce</li> <li>Identification number</li> <li>EC number: 204-622</li> <li>3.2 Mixtures</li> <li>Description: Mixture</li> </ul>	ene er(s)	
Dangerous components:		
EINECS: 204-622-5	Myrcene Flam. Liq. 3, H226;  Aquatic Acute 1, H400; Aquatic Chronic 2, H411;  Skin Irrit. 2, H315; Eye Irrit. 2, H319	25-50%
EINECS: 227-813-5	LIMONENE Aquatic Acute 1, H400;  Kin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	25-50%

#### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

· General information: Immediately remove any clothing soiled by the product.

#### • After inhalation:

Supply fresh air and be sure to call for a doctor.

(Contd. on page 3)



Printing date 22.10.2024

Version number 1

GB

Version number 1

Revision: 22.10.2024

(Contd. of page 2)

#### Trade name: Myrcene 50% D'Limonene Natural

In case of unconsciousness place patient stably in side position for transportation.

- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eve contact:

Rinse opened eve for several minutes under running water. If symptoms persist, consult a doctor · After swallowing: If symptoms persist consult doctor.

- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefi	ahtina measures
	ginding iniououroo

- 5.1 Extinguishing media
- Suitable extinguishing agents:
- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- · For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: No special measures required.
- · Additional information
- Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

#### SECTION 6: Accidental release measures

 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.

· 6.2 Environmental precautions: Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to section 13. Ensure adequate ventilation. 6.4 Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

#### SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

- · Information about fire and explosion protection:
- Keep ignition sources away Do not smoke.
- Protect against electrostatic charges.

(Contd. on page 4)



ADVANCED

Version number 1

Revision: 22.10.2024

#### Trade name: Myrcene 50% D'Limonene Natural

(Contd. of page 3)

- 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: Please refer to the product specification and/or Certificate of Analysis for product storage requirements.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.
- 7.3 Specific end use(s) No further relevant information available.

#### SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- · Ingredients with limit values that require monitoring at the workplace:
- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists valid during the making were used as a basis.
- · 8.2 Exposure controls
- · Appropriate engineering controls No further data; see section 7.
- · Individual protection measures, such as personal protective equipment
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes.
- Avoid contact with the eyes and skin.
- Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Hand protection



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material should be based on consideration of the penetration times, rates of diffusion and the degradation

#### · Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### Penetration time of glove material

The exact break through time has to be determined by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 5)

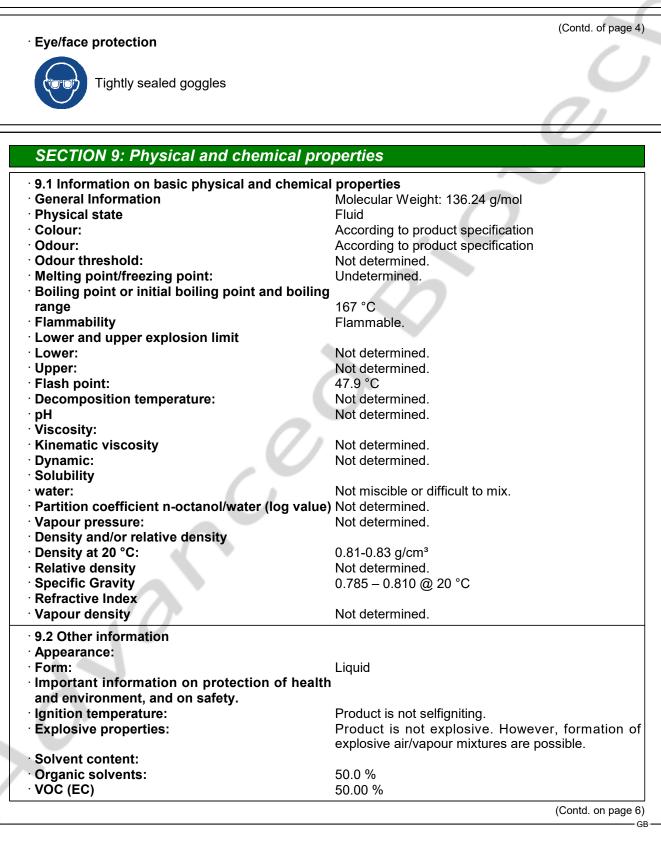
GB



Version number 1

Revision: 22.10.2024









Printing date 22.10.2024

#### Version number 1

Revision: 22.10.2024

#### Trade name: Myrcene 50% D'Limonene Natural

Change in condition	
Evaporation rate	Not determined.
Information with regard to physical ha	zard
classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Flammable liquid and vapour.
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit	
flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

#### SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:
- No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

#### SECTION 11: Toxicological information

• **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008** • **Acute toxicity** Based on available data, the classification criteria are not met.

#### · LD/LC50 values relevant for classification:

#### CAS: 5989-27-5 LIMONENE

- Oral LD50 4,400 mg/kg (rat)
- Primary irritant effect:
- · Skin corrosion/irritation Causes skin irritation.
- · Serious eye damage/irritation Causes serious eye irritation.
- Respiratory or skin sensitisation May cause an allergic skin reaction.
- 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.

(Contd. on page 7)

Version number 1

Revision: 22.10.2024

(Contd. of page 6)

#### Trade name: Myrcene 50% D'Limonene Natural

- **STOT-single exposure** Based on available data, the classification criteria are not met.
- 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

#### · Endocrine disrupting properties

None of the ingredients is listed.

#### SECTION 12: Ecological information

#### · 12.1 Toxicity

- Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- **vPvB:** Not applicable.
- · 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

- 12.7 Other adverse effects
- · Remark:
- Very toxic for fish
- Toxic for fish

#### · Additional ecological information:

· General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Also poisonous for fish and plankton in water bodies.

- Very toxic for aquatic organisms
- Toxic for aquatic organisms

#### SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- Recommendation
- Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.

#### SECTION 14: Transport information

• 14.1 UN number or ID number • ADR, IMDG, IATA

UN2319

(Contd. on page 8)

GB



Version number 1

Revision: 22.10.2024

#### Trade name: Myrcene 50% D'Limonene Natural

	(Contd. of page
14.2 UN proper shipping name ADR	2319 TERPENE HYDROCARBONS, N.O.S (Myrcene, DIPENTENE), ENVIRONMENTALLY
IMDG	HAZARDOUS TERPENE HYDROCARBONS, N.O.S. (Myrcene DIPENTENE), MARINE POLLUTANT
ΙΑΤΑ	TERPENE HYDROCARBONS, N.O.S. (Myrcene DIPENTENE)
14.3 Transport hazard class(es)	
ADR	
Class Label	3 (F1) Flammable liquids. 3
IMDG	
Class Label	3 Flammable liquids. 3
Class Label	3 Flammable liquids. 3
14.4 Packing group ADR, IMDG, IATA	III
14.5 Environmental hazards:	Product contains environmentally hazardous substances: LIMONENE
Marine pollutant:	No Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
14.6 Special precautions for user Hazard identification number (Kemler code):	Warning: Flammable liquids.
EMS Number:	F-E,S-D
Stowage Category	A
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
	(Contd. on page 9



▼ I



Printing date 22.10.2024

Version number 1

Revision: 22.10.2024

#### Trade name: Myrcene 50% D'Limonene Natural

	(Contd. of page 8)
· Transport/Additional information:	
ADR	
<ul> <li>Limited quantities (LQ)</li> </ul>	5L
Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
Tunnel restriction code	D/E
· IMDG	
· Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 2319 TERPENE HYDROCARBONS, N.O.S.
-	(MYRCENE, DIPENTENE), 3, III,
	ENVIRONMENTALLY HAZARDOUS

#### SECTION 15: Regulatory information

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

- · Poisons Act
- · Regulated explosives precursors

None of the ingredients is listed.

#### · Regulated poisons

None of the ingredients is listed.

#### · Reportable explosives precursors

None of the ingredients is listed.

#### Reportable poisons

None of the ingredients is listed.

#### · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation. **Hazard pictograms** 



#### · Signal word Warning

· Hazard-determining components of labelling:

LIMONENE

#### · Hazard statements

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

(Contd. on page 10)

GB

Version number 1

Revision: 22.10.2024

## Trade name: Myrcene 50% D'Limonene Natural

ADVANCED

В.

OTECH

Printing date 22.10.2024

		(Contd. of page 9)
		an allergic skin reaction.
	H400 Very toxic to	
		uatic life with long lasting effects.
	Precautionary st	
	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P241	Use explosion-proof [electrical/ventilating/lighting] equipment.
	P303+P361+P35	3 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
	P305+P351+P338	8 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P403+P235	Store in a well-ventilated place. Keep cool.
	P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
	Directive 2012/18	
		us substances - ANNEX I None of the ingredients is listed.
	Seveso category	
		the Aquatic Environment
	P5c FLAMMABLE	
		tity (tonnes) for the application of lower-tier requirements 100 t
		tity (tonnes) for the application of upper-tier requirements 200 t
•	<b>REGULATION (E</b>	C) No 1907/2006 ANNEX XVII Conditions of restriction: 3
		1/65/EU on the restriction of the use of certain hazardous substances in ectronic equipment – Annex II
	None of the ingre	dients is listed.
· ·	<b>REGULATION (E</b>	EU) 2019/1148
		RICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of
	licensing under	
	None of the ingre	
	Annex II - REPORTABLE EXPLOSIVES PRECURSORS	
	None of the ingre	dients is listed.
	• • • •	No 273/2004 on drug precursors
	None of the ingre	dients is listed.
		b) No 111/2005 laying down rules for the monitoring of trade between the third countries in drug precursors
	None of the ingre	
•	15.2 Chemical sa	afety assessment: A Chemical Safety Assessment has not been carried out.

#### **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### Relevant phrases

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

- H400 Very toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.

(Contd. on page 11)

Revision: 22.10.2024

### Trade name: Myrcene 50% D'Limonene Natural

	(Contd. of page 10)
H412 Harmful to aquatic life with long lasting effects.	
<ul> <li>Department issuing SDS: Product safety department</li> </ul>	
Contact:	
Product Safety Department	
productsafety@adv-bio.com	
Date of previous version: 10.01.2023	
<ul> <li>Abbreviations and acronyms:</li> </ul>	
ADR: Accord relatif au transport international des marchandises dangereuses par route (European A	Agreement Concerning the
International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods	
IATA: International Air Transport Association	
GHS: Globally Harmonised System of Classification and Labelling of Chemicals	
EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances	
CAS: Chemical Abstracts Service (division of the American Chemical Society)	
VOC: Volatile Organic Compounds (USA, EU)	
LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent	
PBT: Persistent, Bioaccumulative and Toxic	
vPvB: very Persistent and very Bioaccumulative	
ATE: Acute toxicity estimate values	
Flam. Liq. 3: Flammable liquids – Category 3 Skin Irrit. 2: Skin corrosion/irritation – Category 2	
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2	
Skin Sens. 1: Skin sensitisation – Category 1	
Skin Sens. 1B: Skin sensitisation – Category 1B Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1	
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2	
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3	
	GB



Printing date 22.10.2024

#### Version number 1

