



 **BASF**

We create chemistry

BASF Aroma Ingredients

Together, we create memorable emotions for everyone – while caring for future generations

We put **sustainable
innovation** at our core –
for everyone to enjoy



We are passionate to support you with innovative flavor and fragrance ingredients that meet highest quality and purity standards, transparency and product performance.

We build on our scientific strength, an excellent regulatory know-how, a global supply network and two world-scale aroma ingredients production sites to offer a broad portfolio from **six scent clusters: rose, citrus, lavender, muguet, mint, selected sensations.**

We are committed to creating sustainable high-class aroma ingredients that are based on renewable feedstock, thus saving fossil resources and reducing carbon emissions. The replacement of fossil feedstock is possible through BASF's biomass balance approach.

Join us in making a conscious contribution shaping a sustainable future that does not only smell and taste memorable but is also a place for new generations to enjoy.

How does BASF's biomass balance approach work?

- Use of **renewable feedstock** such as biomethane
- **Allocation of renewable feedstock** to specific product
- **Independent certification** by a third party

Why would you choose our certified biomass balance products (BMBcert™)?

- **Save fossil resources** and **reduce greenhouse gas emissions**
- Quantified **CO₂ equivalent savings for each product** help you to meet your sustainability targets
- **No need for reformulation:** rely on an identical chemical and olfactory product quality and performance

Rose: the classic spirit of emotions

There is no inspiration without rose. Choose from eleven high-quality rose aroma ingredients – from warm rose to fruity or herbal rose notes – and start creating your valuable compositions.



Rose

Product Name	Molecular Structure	Chemical Name	CAS-No.	EC-No.	Classification*	Appearance	Application		BASF Certification				Sustainability	
							Fragrance (Odor profile)	Flavor (Taste profile)	Food	Kosher	Halal	ISO 9001	Biodegradability	BMB-cert™
Citronellol		6-Octen-1-ol, 3,7-dimethyl-	106-22-9	203-375-0	Skin Sens. 1B Eye Irrit. 2 Skin Irrit. 2	Clear colorless liquid	Floral-rosy, fresh, slightly citrus	Floral-rosy, fresh, slightly citrus	FSSC	•	•	•		
Citronellyl Acetate		3,7-Dimethyloct-6-en-1-yl acetate	150-84-5	205-775-0	Skin Irrit. 2 Aquatic Chronic 2	Clear colorless liquid	Floral-rosy, fruity, slightly citrus	Intensively fruity, floral-rosy, slightly citrus	FSSC	•	•	•		•
Dihydrososan®		Tetrahydro-2-isobutyl-4-methyl-2H-pyran	13477-62-8	236-770-1	Skin Irrit. 2 Aquatic Chronic 3	Clear colorless liquid	Mild, rosy, floral and herbal top note			•	•	•		
Geraniol Extra		2,6-Octadien-1-ol, 3,7-dimethyl-, (E)	106-24-1	203-377-1	Skin Sens. 1 Eye Dam. 1 Skin Irrit. 2	Clear colorless liquid	Floral, deep warm rose note	Floral, rose-like, sweet	FSSC	•	•	•		•
Geraniol 60		Reaction mass of 2,6-Octadien-1-ol, 3,7-dimethyl-, (E) and 2,6-Octadien-1-ol, 3,7-dimethyl-, (Z)-	mixed isomers (106-24-1; 106-25-2)		Skin Sens. 1B Eye Dam. 1 Skin Irrit. 2	Clear colorless liquid	Floral, fresh, rose note	Floral-rosy, sweet	FSSC	•	•	•		•
Geranyl Acetate Extra		2,6-Octadien-1-ol, 3,7-dimethyl-, acetate, (E)-	105-87-3	203-341-5	Skin Sens. 1 Skin Irrit. 2 Aquatic Chronic 3	Clear colorless liquid	Fruity-floral, rose, slightly sweet, unique floral freshness	Sweet fruity, floral-rosy	FSSC	•	•	•		•
Geranyl acetate 60		Reaction mass of geranyl acetate and neryl acetate	mixed Isomers (105-87-3; 141-12-8)		Skin Sens. 1 Skin Irrit. 2 Aquatic Chronic 3	Clear colorless to yellowish liquid	Sweet fruity-floral, rose, fresh	Sweet fruity, floral-rosy, slightly green	FSSC	•	•	•		
Nerol		2,6-Octadien-1-ol, 3,7-dimethyl-, (Z)	106-25-2	203-378-7	Skin Sens. 1B Eye Irrit. 2 Skin Irrit. 2	Clear colorless liquid	Fresh, floral, rose, citrus, slightly sweet and green	Floral, rose, green and sweet	FSSC	•	•	•		
Rose Oxide 70		Tetrahydro-4-methyl-2-(2-methylprop-1-enyl)pyran	16409-43-1	240-457-5	Eye Irrit. 2 Skin Irrit. 2 Repr. 2 (H3611)	Clear colorless liquid	Vibrating, rich rose note, metallic			•	•	•		
Rose Oxide 90		Tetrahydro-4-methyl-2-(2-methylprop-1-enyl)pyran	16409-43-1	240-457-5	Eye Irrit. 2 Skin Irrit. 2 Repr. 2 (H3611)	Clear colorless liquid	Vibrating, rich rose note, metallic			•	•	•		•
Tetrahydrogeraniol		3,7-Dimethyloctan-1-ol	106-21-8	203-374-5	Eye Irrit. 2 Skin Irrit. 2 Aquatic Chronic 2	Clear colorless liquid	Fresh, reminiscent of rose with a mild waxy background, slightly citrus	Floral, rosy, slightly citrus	FSSC	•	•	•		•

*according CLP (EG) Nr. 1272/2008

Food Safety System Certification (FSSC 22000)

Hazard Analysis and Critical Control Points (HACCP)



Biodegradable



Readily biodegradable

The freshness of citrus

Feel the spirit of real lemon. For your citrus notes, you can rely on our bestsellers. We supply a range of citral qualities that accomodate your needs.



Citrus

Product Name	Molecular Structure	Chemical Name	CAS-No.	EC-No.	Classification*	Appearance	Application		BASF Certification				Sustainability	
							Fragrance (Odor profile)	Flavor (Taste profile)	Food	Kosher	Halal	ISO 9001	Biodegradability	BMB-cert™
Citral Extra		2,6-Octadienal, 3,7-dimethyl-	5392-40-5	226-394-6	Skin Sens. 1 Eye Irrit. 2 Skin Irrit. 2	Clear colorless to pale yellowish liquid	Fresh, citrus, fruity, green	Fresh, citrus, fruity, green	FSSC	•	•	•		
Citral N		2,6-Octadienal, 3,7-dimethyl-	5392-40-5	226-394-6	Skin Sens. 1 Eye Irrit. 2 Skin Irrit. 2	Clear colorless to pale yellowish liquid	Fresh, citrus, fruity, green							•
Citral FCC		2,6-Octadienal, 3,7-dimethyl-	5392-40-5	226-394-6	Skin Sens. 1 Eye Irrit. 2 Skin Irrit. 2	Clear colorless to pale yellowish liquid	Zesty citrus, lemon, agrumic, reminiscence of lemon peel	Fresh, zesty citrus, slightly green	FSSC	•	•	•		
Citral FG		2,6-Octadienal, 3,7-dimethyl-	5392-40-5	226-394-6	Skin Sens. 1 Eye Irrit. 2 Skin Irrit. 2	Clear colorless to pale yellowish liquid	Fresh, zesty citrus, agrumic, reminiscence of lemon peel	Fresh, zesty citrus, agrumic, reminiscence of lemon peel	FSSC	•	•	•		•
Citronellal		6-Octenal, 3,7-dimethyl-	106-23-0	203-376-6	Skin Sens. 1B Eye Irrit. 2 Skin Irrit. 2	Clear colorless to pale yellowish liquid	Citrus, green, fruity, typical citronella tone	Citrus, green, fruity, typical citronella tone	FSSC	•	•	•		•
Citronellylnitrile		3,7-Dimethyloct-6-enenitrile	51566-62-2	257-288-8	not classified	Clear colorless to pale yellowish liquid	Citrus green, floral, slightly herbal							•

*according CLP (EG) Nr. 1272/2008

Food Safety System Certification (FSSC 22000)

Hazard Analysis and Critical Control Points (HACCP)



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The inspiring freshness of lavender

These floral aroma ingredients are ideal for all your creations, particularly for lavender, citrus, rose and bergamot compositions. Their exceptional floral freshness makes them top performers in all kinds of applications.



Lavender

Product Name	Molecular Structure	Chemical Name	CAS-No.	EC-No.	Classification*	Appearance	Application		BASF Certification				Sustainability	
							Fragrance (Odor profile)	Flavor (Taste profile)	Food	Kosher	Halal	ISO 9001	Biodegradability	BMB-cert™
Ethyllinalool		1,6-Nonadien-3-ol, 3,7-dimethyl-	10339-55-6	233-732-6	Skin Sens. 1B Eye Irrit. 2 Skin Irrit. 2	Clear colorless to pale yellowish liquid	Fresh, sweet, floral, lavender, bergamot and coriander			•	•	•		
Linalool		1,6-Octadien-3-ol, 3,7-dimethyl-	78-70-6	201-134-4	Skin Sens. 1B Eye Irrit. 2 Skin Irrit. 2	Clear colorless liquid	Fresh floral, herbal, lavender, rosewood, petitgrain, bergamot	Floral, fruity, lavender, herbal, bergamot	FSSC	•	•	•		•
Linalool FG		1,6-Octadien-3-ol, 3,7-dimethyl-	78-70-6	201-134-4	Skin Sens. 1B Eye Irrit. 2 Skin Irrit. 2	Clear colorless liquid	Fresh floral, herbal, lavender, rosewood, petitgrain, bergamot	Floral, fruity, lavender, herbal, bergamot	FSSC	•	•	•		
Linalyl Acetate		1,6-Octadien-3-ol, 3,7-dimethyl-, acetate	115-95-7	204-116-4	Skin Sens. 1B Eye Irrit. 2 Skin Irrit. 2	Clear colorless liquid	Floral, bergamot, petitgrain, lavender	Sweet, fruity, bergamot, floral	FSSC	•	•	•		•
Tetrahydro-linalool		3-Octanol, 3,7-dimethyl-	78-69-3	201-133-9	Skin Sens. 1B Eye Irrit. 2 Skin Irrit. 2	Clear colorless liquid	Floral, slightly herbal-woody, rose, citrus notes	Floral, herbal, tea, citrus note	FSSC	•	•	•		•

*according CLP (EG) Nr. 1272/2008

Food Safety System Certification (FSSC 22000)

Hazard Analysis and Critical Control Points (HACCP)



Biodegradable





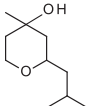

Readily biodegradable

The harmony of muguet

Our muguet aroma ingredients will provide you with the ideal solution for beautiful floralcy. Our portfolio consists of the three most important muguet ingredients, from soft-mild to highly impactful.



Muguet

Product Name	Molecular Structure	Chemical Name	CAS-No.	EC-No.	Classification*	Appearance	Application		BASF Certification				Sustainability	
							Fragrance (Odor profile)	Flavor (Taste profile)	Food	Kosher	Halal	ISO 9001	Biodegradability	BMB-cert™
Hydroxycitronellal		Octanal, 7-hydroxy-3,7-dimethyl-	107-75-5	203-518-7	Skin Sens. 1B Eye Irrit. 2	Clear colorless liquid	Floral, fresh muguet, aldehydic	Fresh, muguet, green	FSSC	•	•	•		•
Lysmeral® Extra		Benzenepropanal, 4-(1,1-dimethylethyl)-.alpha.-methyl-	80-54-6	201-289-8	Acute Tox. 4 (oral) Skin Sens. 1B Skin Irrit. 2 Aquatic Chronic 3 Repr. 1B (H360F) Repr. 2 (H361d)	Clear colorless liquid	Floral, fresh, impactful muguet, aldehydic, hints of magnolia, lilac, honey-suckle							
Pyranol		Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)	63500-71-0	405-040-6	Eye Irrit. 2	Clear colorless liquid	Floral, fresh, soft, reminiscent of muguet							•

*according CLP (EG) Nr. 1272/2008

Food Safety System Certification (FSSC 22000)

Hazard Analysis and Critical Control Points (HACCP)



Biodegradable



Readily biodegradable

The world loves menthol

There is no freshness without mint.
Discover our mint portfolio that gives you plenty
of opportunities to differentiate mint creations
while achieving consistently high quality.



Mint

Product Name	Molecular Structure	Chemical Name	CAS-No.	EC-No.	Classification*	Appearance	Application		BASF Certification				Sustainability	
							Fragrance (Odor profile)	Flavor (Taste profile)	Food	Kosher	Halal	ISO 9001	Biodegradability	BMB-cert™
DL-Menthol FG		Cyclohexanol, 5-methyl-2-(1-methylethyl)-, (1R,2S,5R)-rel-	89-78-1	201-939-0	Eye Irrit. 2 Skin Irrit. 2	White solid mass	Mint, fresh, cooling, herbal	Mint, fresh, cooling, herbal	FSSC	•	•	•		
L-Menthol FCC		Cyclohexanol, 5-methyl-2-(1-methylethyl)-, (1R,2S,5R)-	2216-51-5	218-690-9	Eye Irrit. 2 Skin Irrit. 2	White solid mass	Strong mint, fresh, cooling	Strong mint, fresh, cooling	FSSC	•	•	•		•
L-Menthol flakes FCC		Cyclohexanol, 5-methyl-2-(1-methylethyl)-, (1R,2S,5R)-	2216-51-5	218-690-9	Eye Irrit. 2 Skin Irrit. 2	White flakes	Strong mint, fresh, cooling	Strong mint, fresh, cooling	FSSC	•	•	•		•
L-Menthone 70 FG		Cyclohexanone, 5-methyl-2-(1-methylethyl)-, (2S,5R)-	14073-97-3	237-926-1	Skin Sens. 1B Skin Irrit. 2	Clear colorless liquid	Cooling, fresh, mint, sweet, herbal	Cooling, fresh, mint, sweet, herbal	HACCP	•		•		
L-Menthyl acetate FCC		Cyclohexanol, 5-methyl-2-(1-methylethyl)-, 1-acetate, (1R,2S,5R)-	2623-23-6	220-076-0	Aquatic Chronic 2	Clear colorless liquid	Cooling, fresh, mint, fruity, herbal	Cooling, fresh, mint, fruity, herbal	FSSC	•	•	•		
L-Isopulegol FG		Cyclohexanol, 5-methyl-2-(1-methylethenyl)-, (1R,2S,5R)-	89-79-2	201-940-6	Acute Tox. 4 (oral) Eye Irrit. 2 Skin Irrit. 2	Clear colorless liquid	Cooling, fresh, mint, medicinal and herbal	Cooling, fresh, mint, medicinal and herbal	FSSC	•	•	•		

*according CLP (EG) Nr. 1272/2008

Food Safety System Certification (FSSC 22000)

Hazard Analysis and Critical Control Points (HACCP)



Biodegradable



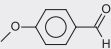

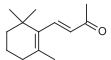

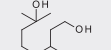

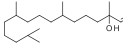

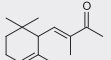

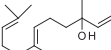

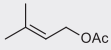

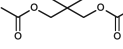

Readily biodegradable

Selected sensations

Sample the selection. Aniseed or floral – fruity or woody. Herbal notes complete the experience.




Others...


Product Name	Molecular Structure	Chemical Name	CAS-No.	EC-No.	Classification*	Appearance	Application		BASF Certification				Sustainability	
							Fragrance (Odor profile)	Flavor (Taste profile)	Food	Kosher	Halal	ISO 9001	Biodegradability	BMB-cert™
Anisaldehyde		4-Methoxybenzaldehyde	123-11-5	204-602-6	Aquatic Chronic 3	Clear colorless to pale yellowish liquid	Sweet, floral, anisic, hawthorn			•	•	•		
beta-Ionone R		(E)-4-(2,6,6-Trimethyl-1-cyclohexen-1-yl)-3-buten-2-one	79-77-6	201-224-3	Aquatic Chronic 2	Clear colorless to pale yellowish liquid	Floral, woody, dry, slightly fruity	Floral, woody, fruity	FSSC	•	•	•		•
Hydroxyciol		3,7-Dimethyloctane-1,7-diol	107-74-4	203-517-1	Eye Irrit. 2	Clear colorless viscous liquid	Floral, green, sweet, reminiscent of muguet		HACCP	•		•		
iso-Phytol R		3,7,11,15-Tetramethylhexadec-1-en-3-ol	505-32-8	208-008-8	Skin Irrit. 2 Aquatic Acute 1 Aquatic Chronic 1	Clear colorless liquid	Mild, floral, herbal, green			•	•	•		
Methylionone 70		Ionone, methyl-	1335-46-2	215-635-0	Eye Irrit. 2 Skin Irrit. 2 Aquatic Chronic 2	Clear colorless to yellowish liquid	Floral, velvety, violet, orris, a bit woody, fruity	Floral, violet-orris, woody, dry fruity	FSSC	•	•	•		•
Nerolidol		1,6,10-Dodecatrien-3-ol, 3,7,11-trimethyl-	7212-44-4	230-597-5	Skin Sens. 1B Eye Irrit. 2 Aquatic Acute 1 Aquatic Chronic 1	Clear colorless to pale yellowish liquid	Mild, delicate, sweet, floral, green, woody	Fruity, floral, slightly woody	FSSC	•	•	•		
Prenyl Acetate		3-Methyl-2-butenyl acetate	1191-16-8	214-730-4	Flam. Liq. 3	Clear colorless liquid	Fruity, pear, green, aspects of banana	Sweet, fruity, floral, pear	FSSC	•	•	•		•
Velberry™		2,2-dimethylpropane-1,3-diol diacetate	13431-57-7	826-122-1	not classified	Clear colorless liquid	Fruity, gourmand, fresh			•	•	•		•

*according CLP (EG) Nr. 1272/2008

Food Safety System Certification (FSSC 22000)

Hazard Analysis and Critical Control Points (HACCP)

 Biodegradable

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