

Firmenich



FRUCTALATE®

INNOVATIVE CRAFTSMANSHIP IN FRAGRANCES AND FLAVORS SINCE 1895

A bright **fruity, raspberry apple** note which provides incredible **volume** to perfume compositions.

FRUCTALATE® shows remarkable **boosting performance, long lastingness** and **fruity lift**.

Very **stable**, FRUCTALATE® is the ultimate **fruity enhancer** in all type of applications.

For a Shower gel at 1%

209264 Formula

	Allyl Amyl Glycolate	2
Fr	Ambrox® Super 10%	10
	Benzyl Acetate Extra	20
Fr	Calone®	1
Fr	Cassis Base	10
	Cis-3-Hexenyl Salicylate	13
Fr	Coranol	45
Fr	Dartanol®	10
	Decalactone Gamma	2
	Dihydromyrcenol	20
	Ethyl Citrate	154
	Geraniol	25
Fr	Hedione®	238
	Heliopropanal	45
	Hydroxycitronellal	30
Fr	Iralia®	35
Fr	Lilyflore®	7
Fr	Romandolide®	210
	Undecavertol	60
	Verdox™ (IFF)	13
Fr	Fructalate®	50
	Total	1000

FRUCTALATE® brings strength, freshness and naturalness to this accord. It enhances the fruity notes (apple, melon and cucumber).

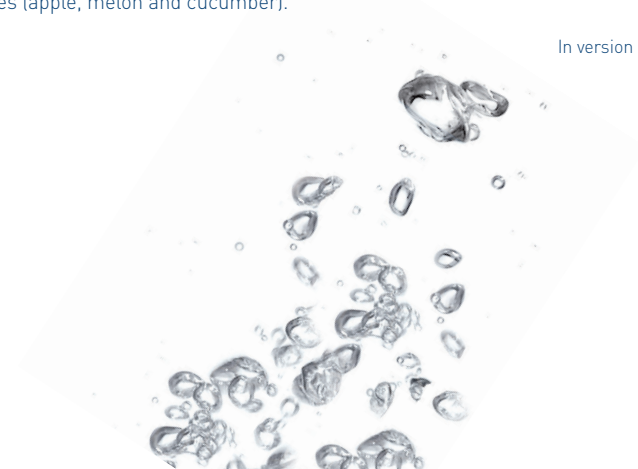
For an Eau de Toilette at 10%

209295 Formula

	Ambrettolide	50
Fr	Ambrox® Super 10%	60
Fr	Calone®	5
	Citral	3
	Citronellol	30
Fr	Clearwood®	200
	Coumarin	8
Fr	Damascone Alpha	2
Fr	Dartanol®	30
	Dihydromyrcenol	120
Fr	Hedione®	200
	Ionone Beta	6
	Iso E Super® (IFF)	239
Fr	Lavandin Grosso EO	15
	Lemon EO	10
Fr	Neobutenone® Alpha 1%	1
	Oakmoss Base	5
	Pinoacetaldehyde	1
	Styrallyl Acetate	10
Fr	Fructalate®	5
	Total	1000

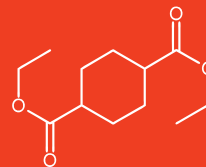
FRUCTALATE® enhances the aromatic top note and boosts the fruity and fresh effect. It also brings strength and impact to the composition.

In version B, FRUCTALATE® is replaced by DIPG.

FRUCTALATE® - 943871

FRUITY



REFERENCES

Firmenich Code	943871
CAS Number	0072903-27-6
Solvent	None added
Stabilizer	None added

PHYSICO-CHEMICAL PROPERTIES

Molecular weight	228
Flash Point	>100°C
Vapor Pressure	41.1 Pa at 20°C
Log p (measured)	2.54

RECOMMENDED

APPLICATIONS	STABILITY	TYPICAL % USE	SUBSTANTIVITY & REMARKS			
Fine Fragrance	Excellent	0.5 - 2%	Top and heart note			
Shampoo	Good	0.5 - 5%	Wet:	Good	Dry:	Fair
Shower Gel	Good	0.5 - 5%	Bloom:	Good		
Soap	Good	0.5 - 5%	Foam:	Good	Dry hand: Fair	
Detergent	Good	1 - 10%	Wet:	Good	Dry:	Fair
Softener	Good	1 - 10%	Wet:	Good	Dry: Good	
APC	Good	1 - 10%				
Candle	Good	1 - 10%	Cold wax:	Good	Burning: Good	

Tenacity: Lasts 2 days on a smelling strip.

Firmenich



NEOBUTENONE[®]ALPHA

INNOVATIVE CRAFTSMANSHIP IN FRAGRANCES AND FLAVORS SINCE 1895

Green, fruity, floral and **extremely powerful**, NEOBUTENONE® ALPHA is the purest expression of a **classic green, galbanum**-type note.

“Best in class” of its family, **versatile and diffusive**, it is used in all types of perfumes and applications to convey a distinctive fresh, green, floral and fruity message.



For an Eau de Toilette at 10%

209267 Formula

Allyl Ionone	5
Black Pepper EO	9
Clearwood®	30
Coranol	30
Coriander Seeds EO	15
Coumarin	7
Dihydromyrcenol	50
Ethyl Linalol	40
Geraniol	7
Hedione®	398
Helvetolide®	30
Hexylcinnamic Aldehyde	23
Ionone Beta	120
Lemon EO	50
Linalyl Acetate	70
Nutmeg EO Super Rect	5
Orange EO	16
Phenylethyl Alcohol	50
Polysantol®	40
Neobutenone® Alpha 10%	5
Total	1000

At a small dosage, NEOBUTENONE® ALPHA brings a vegetal freshness with a clean galbanum effect. The sharp green note gives strength and personality to this accord.

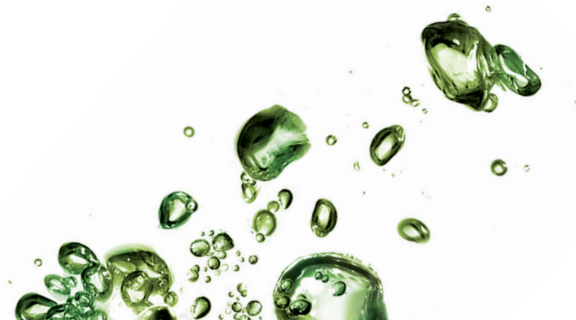
For a Shampoo at 0.5%

209285 Formula

Ambrettolide 50%	2
Astrotone	80
Benzyl Acetate	25
Bourgeonal	2
Calone® 10%	2
Coumarin	12
Cyclosal	20
Damascone Alpha 10%	5
Dihydromyrcenol	150
Dimethyl Benzyl Carbinyol Acetate	20
DIPG	97
Ethylmethylbutyrate	3
Florol®	25
Hedione®	40
Hexyl Acetate	50
Hexyl Salicylate	40
Hexylcinnamic Aldehyde	80
Iso E Super® (IFF)	70
Koumalactone® 1%	2
Lilyflore®	5
Linalol	40
Linalyl Acetate	30
Manzanate	10
Phenylethyl Alcohol	30
Raspberry Ketone	2
Romandolide®	20
Sclareolate®	20
Verdox™ (IFF)	80
Wardia® BM	30
Neobutenone® Alpha 10%	8
Total	1000

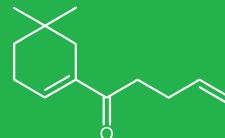
In very small dosage, NEOBUTENONE® ALPHA brings a very good impact. It makes fragrance note more diffusive, elegant, green, with a rich fruity touch. The blooming effect is amazing.

In version B, NEOBUTENONE® ALPHA is replaced by DIPG.



NEOBUTENONE[®] ALPHA - 966466

GREEN - GALBANUM



REFERENCES

Firmenich Code	966466
CAS Number	0056973-85-4
Solvent	None added
Stabilizer	0.05% of BHT

PHYSICO-CHEMICAL PROPERTIES

Molecular weight	192
Flash Point	>100°C
Vapor Pressure	2.79 Pa at 20°C
Log p (measured)	3.89

RECOMMENDED

APPLICATIONS	STABILITY	TYPICAL % USE	SUBSTANTIVITY & REMARKS			
Fine Fragrance	Excellent	traces - 0.1%	Top and heart note			
Shampoo	Excellent	traces - 0.1%	Wet:	Excellent	Dry:	Excellent
Shower Gel	Excellent	traces - 0.1%	Bloom:	Excellent		
Soap	Excellent	traces - 0.1%	Foam:	Excellent	Dry hand:	Excellent
Detergent	Excellent	traces - 0.2%	Wet:	Excellent	Dry:	Fair
Softener	Excellent	traces - 0.1%	Wet:	Excellent	Dry:	Excellent
APC	Good	traces - 0.1%				
Candle	Good	traces - 0.2%	Cold wax:	Fair	Burning:	Good

Tenacity: Lasts 3 days on a smelling strip.

Firmenich



MINT ESSENTIAL OILS EXPERTISE

Experience new mints...

Designed with our unique and game-changing research, as part of our breakthrough partnership with Essex Laboratories.

INNOVATIVE CRAFTSMANSHIP IN FRAGRANCES AND FLAVORS SINCE 1895

MINT PIPERITA EO CASCADE 983169

Made possible through the expertise of our **botanical specialists**, this essential oil is round, **full-bodied and intense**.

With a moderate menthol content, this variety is designed to enhance both fresh and aromatic herbal notes of hay, gently wrapped with hints of lactonic and floral notes.

Experience further our “Savoir faire”

MINT ESSENCE PIPERITA US TYPE 960073

A pure and delightful piperita profile, this mint is **crafted from proprietary and unique ingredients**.

Its essence is designed around a core of non-traditional natural mints laced with hay and subtle floral accents.

This **cost-effective** treasure will inspire unparalleled formulations.

MINT PIPERITA EO BOULDER 960067

One of our most recent creations, this **exceptional variety** was an immediate success in tea applications.

Beaming with unique and intense mint facets, this slightly herbal essential oil, harmoniously blends camphor and fruity notes and a touch of coconut.

Firmenich



HELVETOLIDE®

INNOVATIVE CRAFTSMANSHIP IN FRAGRANCES AND FLAVORS SINCE 1895

Developed in Switzerland (Helvetia) and launched in 1995, HELVETOLIDE® offers **excellent volatile pear-like facets** and smooth ambrette undertones in all applications.

Its **unexpected volume** and richness propelled HELVETOLIDE® as a **cornerstone** of perfumery ingredients.

Known as the “The House of Muscs”, Firmenich has fostered innovations in this important family of molecules for a hundred years.

1900
Identification and structural elucidation of CIVETTONE and MUSCONE (Pr. L Ruzicka and his team).

1930
EXALTOLIDE® (1933)
EXALTONE® (1927).

1939
Pr. L Ruzicka awards the **Nobel Prize** in Chemistry for its works on macrocyclic musk.

1970
Firmenich initiates research works in **Alicyclic Musk**

1991
HELVETOLIDE®

1992
MUSCENONE®

1993
HABANOLIDE®

1998
EXALTENONE®

2000
ROMANDOLIDE®

2010
MUSCONE® LAEVO

Firmenich

For an Eau de Toilette at 10%

209296 Formula

Allyl Amyl Glycolate	2
Bergamot EO	30
Cassis Base	5
Cedarwood Super Rect	20
Cetalox®	5
Cis-3-Hexenyl Salicylate	30
Clearwood®	50
Ethyl Citrate	16
Ethyl Linalol	30
Exaltolide® Total	80
Florol®	170
Geraniol	50
Hedione®	200
Hedione® HC	50
Heliopropanal	10
Iralia®	10
Iso E Super® (IFF)	100
Mandarin EO	10
Muscenone®	5
Phenylethyl Alcohol	20
Pink Pepper Reunion SFE	5
Polysantol®	50
Styrallyl Acetate	2
Vanillin	20
Fr Helvetolide®	30
Total	1000

In this composition, HELVETOLIDE® gives harmony to the musky facet and brings incredible creaminess to the dry woody notes.

In version B, HELVETOLIDE® is replaced by DIPG.

For a Shower gel at 1%

209268 Formula

Benzyl Acetate	30
Bergamot EO	30
Cassis Base	45
Citronellol	20
Clearwood®	40
Damascenone	5
Dartanol®	50
Florol®	40
Hedione®	313
Heliopropanal	20
Iralia®	50
Maltol	2
Mayol®	25
Muscenone®	10
Phenethylol	50
Polysantol®	15
Prunella®	20
Raspberry Ketone	5
Sandela	200
Vanillin	10
Fr Helvetolide®	20
Total	1000

HELVETOLIDE® brings a natural fruity twist and enhances the creaminess and sensuality of the composition with an addictive sweet musky effet.

