

TYPE

MUSKS *and* Animalic Things



AMBRAROME ABSOLU Synarome - Ambergris note

AMBRETTOLIDE Intensely powerful substantive musk odor with depth and richness. Floralcy and red fruit sweetness also imparted. this synthetic is the same as the musk in Ambrette Seeds - a very good quality diffusive musk, slightly fruity, very smooth and exalting.

DIHYDROAMBRETTOLIDE Synarome Soft and fine top note musk

cis-ISOAMBRETTOLIDE Synarome Very delicate musky note, rich, soft, with a great expansion

AMBRETTEX XNM - Musk Ambrette Replacer dry ambrette musk sweet 342 hrs

AMBRINOL 95

Possesses the elegant tonalities of aged natural ambergris tincture. Tobacco, leathery nuances and the power of oceanic seaweed notes supported with a warm animalic, musky dry down.

ANIMALID, blend, as sold by Perfumers Apprentice. A very realistic musk deer blend. Tonquitone has a sweet caramel/vanilla base compared to Animalid. It's a bit more dense as opposed to animalid which is more transparent. (*was discontinued, as Polarome is out of business, but available again @PA, don't know the supplier.*)

ANIMALIS-03 Synarome - Warm note, powerful, animalic, Tonkin musk like

ANIMALIS 5853 Synarome - A finest Animalis accord with different woody and sensuous notes

APPLELIDE / EDENOLIDE A powdery, creamy, warm, relaxed sensuous white musk. With fresh fruity nuances and soft comforting textures. This is relatively short-lived for a musk but has a strong, velvety top-note that give a great deal of richness and has a fruity aspect of apples as well.

AMBROXAN CRYSTALS base note dry ambergris sweet Can use up to 1% of total concentrate

AURANONE (F) base note Strong yet delicate musk blend with fine floral notes. Auranone is a subtle assemblage of some of Firmenich's finest musks. Created around Romandolide, this captive Alicyclic musk is blended. a strong substantive musk base with a delicate floral and somewhat animalic character—has strong ambrette connotations and contains no solvents, or polycyclic or nitro musks.

AURATOUCH (F) Musk base/blend Use: A strong musky note with a very substantive drydown, and contains only triethyl citrate as a solvent. A delicate and elegant musk created with fine Alicyclic and Macrocyclic Musks. A fruity-musky side is obtained with Helvetolide® and Romandolide®, enhanced by Habanolide® and Exaltolide®

AURELIONE Symrise (musk dec-7(8)-enone) Odor: elegant, erogenous, intense musk note reminiscent of original musk with sensual warmth, volume and radiance

TYPE

BEESWAX ABSOLUTE

sweet honey balsam waxy hay tobacco spice, Sweet, dried fruit, brown, hay and tobacco-like, herbal with davana and honey notes, floral/powdery/coumarinic bouquet with a rich, warm, waxy undertone
Use: In natural perfumery it is used in floral notes(rose, jasmin, mimosa, cassie, violet, orange blossom, sweet pea, honeysuckle, tuberose, violet), new mown hay, amber bases, culinary perfumes, literary perfumes.

CASHMERAN (I) base note

Diffusive, spicy, musk odor with strong floral reinforcement. Powdery, velvet nuance. Long lasting. Aromatic, apple, earthy, woody, red fruit, pine. Has a spicy quality. When used successfully it is very warming and velvety. Not everyone considers this molecule as a musk at all. can use up to 2% of total concentrate

CASTOREUM TINCTURE is my personal choice to use for the Castoreum style leather note. I buy dried smoked castors from Kishels Scents in Canada, and tincture in boiling alcohol in the microwave, *a practice which is extremely dangerous for anyone. Take great care not to burn yourself, or explode in your microwave.*

CASTOREUM BLEND as sold by Perfumers Apprentice

as of 6/14/11 we have a new castoreum blend made by IFF This is a 50% blend of natural castoreum absolute 50% in benzyl benzoate. exotic and animal; reflects all the typical warm, animal, leather-like notes of natural castoreum and is a highly interesting note for use in chypre, tobacco, leather and fougère types.

CASTOREUM SYNTHETIQUE Synarome - Castoreum absolute note

CELESTOLIDE (CRYSTALS) (I) base note This musk has warmth, brilliance, richness and strength. Good stability. Musk, powdery, fruity note. crystals that are slow to dissolve in ethanol. Adds more brightness than the others, very good diffusion. Can use up to 8% of total concentrate

CETALOX (F) (CRYSTALS) base note CAS # 3738-00-9

one of the finest ambergris notes used in classic perfumery can use up to 5% of total concentrate

CERVOLIDE (12-oxa Hexadecanolide) (musk decanolide)

Has a fine musk note, slightly fruity with a woody background.

CIVET (ARTIFICIAL) base note as sold by Perfumer Apprentice

This blend is a close reconstitution of civet absolute, which it can replace in equal amounts. It does not contain any animal extract. Adds diffusive warmth to fragrance, providing the distinctive effect of natural civet in jasmine/floral, amber, oriental, chypre and tobacco type blends, recommended usage up to 1% of total fragrance concentrate

CIVETTONE Odor: A warm, sensuous animal and musky note; very powerful and diffusive

Use: Extremely tenacious, it has the ability to exalt and fix all kinds of perfumes. It harmonizes particularly well with floral, aldehydic, chypre, oriental and animal notes and gives elegant musky effects. It is indispensable for the reconstitution of civet. Isn't widely used alone or available in small amounts. It is the musk component of natural civet paste and the synthesized version is used as part of civet recreations, arguably the most powerful fixative in perfumery.

CIVETTAROME, CIVETTE 150 Synarome - Civet absolute note

COSMONE (G) base note Musky, Warm, Powdery CAS # 259854-70-1

An intensely rich, powerful and elegant musk. The warm powdery facets of Cosmone are reminiscent of classic nitromusks with a subtle ambergris nuance. A trace of Cosmone brings an outstanding cosmetic volume to all types of accords. While extremely effective by itself, Cosmone also offers excellent synergy with other ingredients. can use up to 5% of conc

COSTAUSOL (PFW) base note CAS # 67770-79-0 (*Production seems to have been discontinued*) woody warm animalic odour, reminiscent of costus root oil. Costausol™ blends very well with all animalic types of odours (castoreum, civet, musks, amber), with woody types and with oakmoss. It can be used at about the same dosage as costus root oil and will enrich all chypre, fougère and other fantasy perfumes. There is no restriction in the use of this product according to the current IFRA-guidelines. can use up to 4% of concentrate.

ETHYLENE BRASSYLATE aka **MUSK T**, base note CAS # 105-95-3 powdery sweet floral ambrette musk woody cheap, good fixative properties and easy to use macrocyclic musk. can use up to 10%

EXALTOLIDE 100% - Crystalline solid base note Symrise's Macrolide Supra, which Firmenich calls Exaltolide Fine, elegant, sweet musk note. delicately animal. macrocyclic musk with a fairly strong, sweet-musk aroma. Not everyone can smell exaltolide but it's one of the finest musks you can use. CAS # 106-02-5 up to 5%

EXALTOLIDE 50% (IPM) base note Fine, elegant, sweet musk note. delicately animal. CAS # 106-02-5

EXALTONE is the key molecule in muskrat musk and although it can now be synthesised even the synthetic version is very expensive. It is however incredibly persistent and, arguably, one of the best fixatives known to perfumery. More animal smelling than most synthetic musk. AKA: **Musk CPD**, **Cyclopentadecanone**, or **Romanone Flakes**, which are much better priced than branded Exaltone.

EXALTENONE MUSK Z4 (Z)-musk pentane Cyclopentadec-4-en-1-one
Sensual macrocyclic musk, soft, powdery, musk animal natural 376 Hour(s)

GALAXOLIDE 50% (IPM) base note
strong diffusive sweet floral musk A clean, powerful and versatile iso-chroman musk having exceptional persistence and a superb fragrance quality approaching the tone of macrocyclic musks. polycyclic musk, very widely available and used, especially in functional products. Often sold as 50% in DEP or IPM as it's so thick a liquid as to be virtually solid otherwise. A polycyclic musk which is not biodegradable and very persistent in the environment and people. CAS # 1222-05-5 can use up to 50% of concentrate

GRISALVA / AMBER FURAN - The character of ambergris captured in a single chemical of remarkable strength. Diffusive and long lasting. Excellent performance/cost ratio
Grisalva is the ethyl analogue of Ambrox, - Ambergris, Animalic/ Animal, Leather/ Leathery

HEXADECANOLIDE IFF / Juniper Lactone / Dihydroambrettolide

Sweet musk note of great diffusion and tenacity with balsamic, animal effects, works well with other musks, in particular Musk R1

HABANOLIDE - Musky Herbal, This is one of the most valuable traditional "white musks", along with galaxolide and ambrettolide. Habanolide has a certain "freshness" that makes it very popular. Macrocyclic musk from Firmenich with a strong odour and slightly waxy and metallic freshness. can use up to 5% of total conc.

HELVETOLIDE - Firmenich, this is unusual in having a strong top-note as well as the more usual persistence of musks. It also has a fruity aspect of pears.

INDOLAROME INDOFLOR CRYSTALS INDOLETAL 400 Hrs

Odor: Oily, animalic and civet-like, reminiscent of skatole, with leather nuances

Use: As a non-discoloring substitute for skatole and also for indole. the quantity of Indoflor Cryst. should be approx. 3 to 5 times higher than the original quantity of skatolone or indole. As a modifier in leather

INDOLAROME - continued: notes and perfumes with ambergris and castoreum as well as animalic base notes in general. In specific flower types such as hyacinth, lily and orchid.

INDOLE 400 Hrs strong moth ball naphthelene erogenic-floral animal narcotic-floral jasmine slightly musk fecal
Various Schiff bases can be made by combining Indole + an aldehyde., Citral/Indole, aka Citrindol is an example.

INDOLENE 50 (I) Schiff's base of indol & hydroxycitronellal 50% Floral, Jasmin, Animal
Modified animal, fecal note useful in floral absolute types. Increases the substantivity of a fragrance and provides fixation as well as floralcy. CAS # 68908-82-7 can use up to 5% of total concentrate

LACTOSCATONE aka **Animal Carbolactone** dry animal amber 52 Hrs

6-METHYL QUINOLINE - leathery tonka castoreum tobacco civet fecal, A leathery, animalic, fecal note reminiscent of castoreum or civet. In dilution, smells of tobacco

MUSCAROME Synarome - Tonkin musk tincture note, without ethylic alcohol, in triethyl citrate

MUSCAROME J5 Synarome,; MUSK TONKIN -Tonkin musk tincture note, containing ethylic alcohol

MUSCENONE is one of the components of natural deer musk, very good fixative and diffusive qualities and has a stronger musky smell than the better-known muscone:

MUSCONE this is the main musk that is in musk deer pods but synthesized. Lovely fine musk that has the edge over the others for its erogenic quality.

Laevo-MUSCONE is a more expensive and even finer quality - Both forms have a nice powdery quality.

MUSCONE (ISO) - 50% IPM Iso-Muscone base note powdery musk ; easier to use than the crystalline powder that is pure iso muscone CAS # 2550-52-9 can use up to 4% of total concentrate

MUSK KETONE REPLACER -aka **Ketonex M** IFF, smooth soft sweet musk, contains Tonalid + Galaxolide

MUSK R1 Givaudan **Musk Lactone** 1Kg \$815 @Vigon Use: Musk R1 is a sensual, sophisticated, creamy, powdery macrocyclic musk. It gives an exalting effect when used in combination with other macrocyclic musks.

OXALIDE - T (10-oxa hexadecanolide) musk nonane to 10%

Odor: Sweet, soft and tenacious animal-musky Use: Gives body and richness to floral, woody, and amber accords. Adds a very clean and soft musk note. Mostly used in fine fragrances.

POLVOLIDE (Soda) POLVOLIDE® diffuses really well, and gives off a powdery fragrance, but the biggest advantage of this ingredient is its boosting effect. It does not just have an effect as a fragrance's base note, but also plays the role of a booster that lifts up the top and the middle notes from below. This is a special feature that other macrocyclic musks do not have. There are also other effects that cannot be overlooked. With the effect that the company refers to as "luminous", you can experience a fragrance that is like a flower suddenly blooming. If you add POLVOLIDE® to a floral fragrance, the effect is clear. *However, Polvolide has been discontinued.*

PYRALONE ISO BUTYL QUINOLINE (G) heart/mid note

Leather, Green, Woody, Powerful - a fine, elegant, aromatic and tobacco-like character. It is used in chypre, fougère and tobacco accords CAS # 65442-31-1 can use up to 2% of total concentrate

ROMANDOLIDE similar in scent to Galaxolide but alicyclic (or linear) and biodegradable: very useful

TYPE **SHANGRALIDE IFF** 400hrs Odor: MUSK, ANIMAL, LEATHER, sweet, cresol to 20%

SILVANONE SUPRA (Givaudan): a mixture of cyclopentadecanone (Exaltone) and cyclohexadecanone (Iso-Muscone) - a sweet powdery animalic macrocyclic musk with aspects of nitromusk. It is highly substantive and tenacious and can be used in all application areas to give a full body and long lasting effect. Silvanone Supra works well with woody and amber notes. This ingredient also works well with other musks, in particular Musk R 1 which gives a fantastic lift to Silvanone Supra. This product adds a richness to floral creations especially in the heavier white florals, spicy carnation and oriental directions. (*Givaudan*)

SKATOLE very strong animal fecal indole civet 400Hrs Various Schiff bases can be made by combining Skatole + an aldehyde.

SUEDERAL LT (I) base note this is a blend for notes of leather and suede. very strong, use sparingly.

SYNOLIDE Synarome - Musky note, soft, tenacious, without fruity aspects

TETRAHYDRO PARA METHYL QUINOLINE aka: **Civettal** animal civet leather ambergris 184 hrs.

TRASEOLIDE dry sweet amber musk herbal creamy 400Hrs
a polycyclic musk with a lovely creamy aspect that makes it almost qualify as a sandalwood chemical as well as a musk - works nicely with stronger sandalwood notes and is also a nice base for a gourmand type.

TONALID TONALIDE AKA FIXOLIDE, MUSK TETRALIN, Musk Indane, Phantolide (PFW)
strong powdery sweet slightly fruity (GRANULAR – NOT LIQUID polycyclic, crystalline solid again but a bit easier to dissolve than some. Often disparagingly referred to as 'laundry musk' it's nevertheless a good fixative and very widely used. Cheap enough for functional products and gives a very clean effect. can use up to 10% of concentrate CAS # 1506-02-1 base note

TONQUITONE PCMF DEPR 1206 Penta Odor: ANIMAL, MUSK

ULTRALID® Odor: Ultralid® has a strong musk odour with brightness and a floral background

VELVIONE MUSK AMBEROL 15-cyclohexadecanone-1 AMBRETONE (T) another macrocyclic, very fine musk of great diffusion, rather like ambrettolide but less fruity & even softer. A great exalting agent, it has little scent of it's own but has a big effect in a blend and gives a distinct powdery effect.

ZENOLIDE ethylene dodecanedioate Musk MC-4, Musk C-14, Musk NY
Soft, delicate musk, red fruit

What are musky natural aromatics?

Animal Sources: Ambergris, Beeswax/Beeswax Absolute, Hyrax/Hyraceum/Africa Stone, Goat Musk, Muskrat Glands (after treatment Exaltone is obtained). **Swiny** is secretion of European wild boar *Sus scrofa*, suggested to be very close to scent of human male. Also **Civet** and **Castoreum**.

Botanical Sources: **Ambrette seed, Angelica Root** (*Ambrette seed and angelica root are two botanicals that contain macrocyclic musk, like the musk deer.*)

In the “neighborhood” of Musky - Naturals...?

Sandalwood	Patchouli	Vanilla	Galbanum	Costus	Oud
Labdanum	Cumin	Carrot Seed	Vetiver	Black Pepper	
Musk Rose	Seaweed	Spikenard	Jasmine Sambac	Black Current	

OLDER / NITRO Musks, Not much in use presently:

Musk Ambrette is prohibited by IFRA

Musk Ketone is banned in some countries even though it isn't restricted by IFRA. Musk Ketone must not contain any Musk Xylol/Xylene in order to be used.

Musk Xylene is banned throughout the EU and prohibited by IFRA.

Moskene is prohibited by IFRA, and can cause allergic photocontact dermatitis

Tibetine/Musk Tibetine is prohibited by IFRA, does not cause allergic photocontact dermatitis.

Nitro Musk Descriptions:

Musk ambrette Intense, rather metallic-blackberry, a little of the ester intensity, sharp.

Musk ketone Cleaner and sweeter than xylene.

Musk xylene Full, not intense, "chemically".

Moskene Somewhat similar in odour to ambrette but rather weaker and lacking the penetrating intensity.

Tibetine Has an odour rather similar to musk xylol with a little of the musk ketone effect.

Nitro Musk Replacement Suggestions:

Musk Ketone Replacer contains this, according to the MSDS:

Tonalid 10-25%, Galaxolide 10-25%, Benzyl benzoate 1-10%

Potential alternatives to Musk Xylene and Musk Ketone: - Thibetolide, Ethylene brassilate, Muscone, Musconate, Cyclomusk, Helvetolide, Romandolide,

Exolide Replacer (Firmenich) (For Fragrance Use)

Application: replacer for the "no longer available" exolide

40.00 EXALTOLIDE® TOTAL (Firmenich)

4.00 HABANOLIDE® (Firmenich)

56.00 Dipropylene Glycol (or similar solvent)

Sources for this guide came from The Good Scents Company, Chris Bartlett's notes, various manufacturers notes, descriptors and websites, and my own personal experiences.