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, 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 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.

AURATOUC(F) base note 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
**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 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** 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.

**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

**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 skatalone or indole. As a modifier in leather 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
Odor: strong moth ball naphthalene erogenic-floral animal narcotic-floral jasmine slightly musk fecal

INDOLENE 50 (I)  base note
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 florality.  CAS # 68908-82-7  can use up to 5% of total concentrate

LACTOSCATONE aka Animal Carbolactone  dry animal amber  52 Hrs

MUSCAROME Synarome  - Tonkin musk tincture note, without ethylic alcohol, in triethyl citrate
MUSCAROME J 5 Synarome
Odor: 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.
Laeto-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 hexadecanolid) 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.

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

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

**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-cyclohexadecenone-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

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**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...?**

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<thead>
<tr>
<th>Sandalwood</th>
<th>Patchouli</th>
<th>Vanilla</th>
<th>Galbanum</th>
<th>Costus</th>
<th>Oud</th>
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<tr>
<td>Labdanum</td>
<td>Cumin</td>
<td>Carrot Seed</td>
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<td>Musk Rose</td>
<td>Seaweed</td>
<td>Spikenard</td>
<td>Jasmine Sambac</td>
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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)