

Synthetic or Animal Make Up Brushes?

Make-up Brushes



Hello, and thank you for your support, likes, and share without it we wouldn't be here. On week 299. We are sharing a post about the difference between Synthetic and animal hair brushes, how to clean the brushes and their different uses. Here we will share the common uses, so if we miss a fact please let us know so we can pass it along to our readers, we will give you credit for the contribution send your additions to isabelsbeautyblog@gmail.com.

I personally love using a good brush to apply makeup, and as the years in my career go by I notice that my make up peers all have a favorite brush, sponge and my dear friend Carme Tenuta loves to use Q-tips for application of products, now the trend is a blender sponge (I love the blender sponge, you can reuse it so no waste on that) and the toothbrush make up brush, which we will share along in this post in brief words. I have applied makeup with so many tools in a pinch to become creative, you can save the day, trust me. So let's go to our post, enjoy, thank you ahead of time for subscribing, sharing and liking with deep gratitude, from all of us at Isabel's beauty blog.

What is a brush and what are the parts that compose it?

How much do you know about your paintbrushes? A great part of an artist's tool case, the paintbrush is a tool that helps you express your self. In addition to all the other makeup supplies, it's a staple. The creation of a very good quality brush involves skills perfected over centuries. Although some of the processes in the fast pace life have become automated over time, many aspects of a paintbrush are still manufactured by hand. It is most fascinating to witness the creation of one of my most favorite tools. In order to

truly understand the paintbrush, it's imperative to have a grasp of its anatomy and what it takes to build it, once you realize what it takes to create such a valuable tool and you appreciate it's creation process, your work will have that much more appreciation, it does to me.



Hair

The part that does the painting on the brushes is commonly divided into three types of materials: natural hair, bristle, and synthetic. The quality of the brush and what the brush is best used for is according to hair type, blend, and its

construction.

Natural Hair (animal Hair)

When Animal hair is used, like sable it has a finely tapered point and “flags,” which are similar to split ends on human hair. The soft, fine fibers and flags allow the brush to hold more make up or whatever medium is used for, and spread it is supposed to apply color evenly and by that blend better.

Bristle

Bristle is a much stiffer, coarse, natural hair that often has flagged tips also. The Bristle kind brush is great for adding texture to projects, heavy-bodied products are ruff for a skin I use it texturizing color on prosthetics projects great for hiding edges and giving depth, great tool!!

Synthetic

Due to the many production requirements and the high cost of many types of animal hair the industry is favoring synthetic filaments (yeiiii for animal safety) were created from man-made fibers, such as PBT resin and such of synthetic materials, are very often referred to as Taklon or Syn-Sable. The diameter of a synthetic filament of this material and the blend of different filaments affects how soft or stiff a brush is and how the brush performs with various media and it's blending performance.

At this time there'sisThere's a whole range of advanced new synthetic makeup fibers on the market that are good not just with liquids and cream, but also with powders and they give a great finish.

The old conventional wisdom that synthetics are only good with liquid and cream cosmetic products has persisted in many reviews. But it's just really true anymore!

The American chemical company DuPont, based in Delaware, which originally invented Taklon, has invested a lot of R&D in developing a range of newer synthetic fibers such as Nratrafil and other ones that are just as good at everything natural fibers are good at doing.

Taiki the Japanese company is one of the leading brush manufacturers in the world has also worked with DuPont to develop Tafre fiber. That product contains DuPont's Sorona, which has 37% percent renewable plant-based ingredients – from corn – and extrudes it from machines in such a unique way that is more similar to the way hair grows out of skin for a much more sophisticated fibre that picks up powder a lot more like the natural animal hair brushes.

[Very interesting video about the Brush industry](#)

Hair Blend

The Paintbrush lines that incorporate natural hair and synthetic filaments, as well as various blends of these, offer a large range of options for artists. Most frequently, the standard shapes and sizes in a brush line are made of a similar hair blend. Your chosen product medium and the effect you're looking for will be what determine which brush blend works best for you finished look.

Examples of Hair Type and Blend

An Oval Mop Wave is a brush with very innovative synthetic hair that is crimped to mimic the shape and movement of natural hair brushes. This particular brush is recommended for softening and blending, decoupage, due to the fact that it shows minimal brushstrokes great blender love the look it creates I am a fan of it.



The **Flat** brush is made with a blend of different size synthetic filaments that allow for an even product distribution and a smooth flow throughout the bristles I like flat brushes with an oval edge great for around the nose and edging, in general, I even correct boobos at the edge of the lip and love it for concealer details, I use this type of brush a lot is a great blender and super when it comes to defining edges.



The **Lunar** brush has a 50/50 blend of stiff bristles and synthetic hair filaments. This combination blend allows the makeup or whatever medium you are using to settle on the

outside of the hair, while at the same time distributing the makeup evenly throughout the bristles for textured effects another one that it can be used for fantasy and effects make up.



BubblyMichelle

The **Round Blender** Brush has soft, natural hair that makes this

brush great for techniques that require a light, feathery touch on your application.



Handle and Ferrule



The **handle** of a paintbrush is frequently made of wood, and more and more brush lines use environmentally conscious coatings on the wood by that we mean less toxic material. Brushes with short handles allow you to get in close to detail a more detail work, I personally prefer short handles for many reasons at the end is a matter of preference. For that and their handle balance, short- handle brushes are my preference they are easy to store and to travel with (I like thin handles due to the fact that I can store more brushes in my holder too. Handle balance involves the thickness of the handle in the mid-section and how it tapers to a point, making the brush comfortable in the hand.

The **ferrule** is the metal band that connects the brush head to the handle and is usually glued on both ends and crimped near the handle part. A good quality is very important I preferred synthetic and titanium they don't corrode and don't contain NICKLE witch is toxic to our health and the fact that can cause a reaction on people skin and the sensitive skin around

the eyes. (here is were bacteria can accumulate when the brushes get washed with soap and water as I have witnessed before they don't dry properly) make sure that they get dry before you store the brushes to prevent mold and accumulation of bacteria, I clean mine with 99% alcohol for over 40 years and they are in great shape.

This s a great site to learn about brushes and where to purchase <https://www.lab2beauty.com/t-brush-anatomy.aspx>



Makeup Brush Buying Guide

Shapes and uses :

These are just what the common denominator is you can use any brush that you prefer and however you feel like the end

product is the focus here. Your tools are of your choice and like. Everyone is different in their needs and form of application so here we are sharing information from many sources, you can choose what accommodates your need the end result is what is important.



Makeup Brushes

POWDER



3

EYELINER



8

BLUSH



5

EYESHADOW



6

LASH
& BROW



9

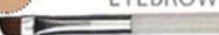
7

HIGHLIGHTER



10

EYEBROW



CONTOUR



4

FOUNDATION



1

CONCEALER



2



AIR BRUSH

- No 104 ESSENTIAL BRONZER**
- No 127 MEGA POWDER**
- No 108 POWDER WAND**
- No 110 BUFFING FOUNDATION**
- No 101 BLURRING FOUNDATION**
- No 115 COMPLEXION PERFECTION**
- No 106 OMGI FOUNDATION**
- No 119 ALL-OVER SHADOW**
- No 107 BLENDING SHADOW**
- No 104 PRECISION SMUDGER**

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F71 XL FAN BRUSH FOR FACE & BODY

Designed for contouring and enhancing the face and body, this natural, sable hair brush has wonderfully soft and silky bristles. Use this brush as a highlighter to draw attention to your cheekbones and neckline, or as a bronzer to define and enhance the natural structure of your face and body.

F12 LIQUID FOUNDATION BUFFER BRUSH

This specially designed brush is made with a blend of sable hair and microfibers. The sable hair bristles hold color while the soft microfibers erase any strokes that a brush may leave behind, providing you with a beautiful, flawless finish. Use this brush only with liquid or cream foundation.

F14 MEDIUM POWDER BRUSH

Designed for the precise application of loose and/or pressed powders. Create full or sheer coverage with this powder brush that doubles as the perfect brush for final touch-ups.

F10 OVAL LIQUID FOUNDATION BRUSH

This specially designed brush is made with a blend of sable hair and microfibers. The sable hair bristles hold color while the soft microfibers erase any strokes that a brush may leave behind, providing you with a beautiful, flawless finish.

M33 MINERAL POWDER BRUSH

Made with ultrafine microfibers that resist mineral powder build-up, this brush is perfect for applying mineral powder. Use this brush to get sheer or full coverage with mineral powder or liquid foundation for a flawless, radiant finish. Apply in a circular motion with light pressure for best results.

F19 SLANTED CONTOUR BRUSH

Designed for creating the perfect contour, this soft, slanted brush is perfect for use with foundation, bronzer and/or blush. Use this brush to even out your complexion or remove excess color. Apply in a circular motion with light pressure for best results.

F17 BUFFED BRONZER BRUSH

Designed for the precise application of cream and/or powder bronzer. The flat tip of this brush allows for incredible control as color is buffed onto the skin for a flawless, glowing finish.

F13 ROUNDED FOUNDATION BRUSH

Designed for the precise application of cream and/or liquid foundation. This long-lasting brush is made with a rounded tip that's perfect for creating flawless brush strokes. Use this brush in a circular motion for a lovely, smooth finish.

F11 FOUNDATION BRUSH

Designed for the precise application of cream and/or liquid foundation. This long-lasting brush remains durable after multiple washes with brush cleaner or soap.

F22 SLANTED FINISHING BRUSH

Designed for adding touch-ups to your makeup look for flawless results. Use this soft, slanted brush to even out your complexion or remove excess color. Apply in a circular motion with light pressure for best results.

M32 MINERAL BRONZE BUFFER BRUSH

Made with ultrafine microfibers that resist mineral powder build-up, this brush is perfect for the precise application of mineral bronzer. Use this buffer brush to contour and define the structure of your face.

M21 MINERAL BLUSH BRUSH

Made with ultrafine microfibers that resist mineral powder build-up, this brush is perfect for the precise application of mineral blush. Use this brush to contour and define the structure of your face. Apply in a circular motion with light pressure for best results.

E11 EYESHADOW BRUSH

Designed for the precise application of shimmer and/or matte eyeshadows. Use this brush to apply wet or dry eyeshadow for a dramatic or natural effect. This brush is also perfect for applying eyeshadow primers and bases.

THE SIGNATURE COLLECTION

BRUSH SET

24 PC Studio Quality with Leatherette

E20 SLANTED EYESHADOW BRUSH

Designed for blending eyeshadow color and finishing touch-ups. This slanted, multipurpose eyeshadow brush is perfect for adding definition to the eye crease or highlighting the inner corners of the eye.

E12 EYESHADOW BRUSH

Designed for the precise application of matte and/or shimmer eyeshadows all over the lid.

E17 EYESHADOW BUFFER BRUSH

Designed for creating flawless eyeshadow effects, this buffer brush is perfect for blending and buffing color along the crease of the eye. Use in a circular motion for best effect.

F21 BLENDING BRUSH

Designed for blending and intensifying eyeshadow color, this unique and spectacular brush will transform your eyeshadow look. You can also use the brush in a circular motion to lift and soften color.

E25 SLANTED EYELINER BRUSH

Designed for the precise application of cream, liquid and/or gel eyeliner, use this slanted eyeliner brush to create unique eyeliner looks on the outer or inner lash line.

E19 CONTOURING EYESHADOW BRUSH

Designed for the precise application of color in the eye crease area for a more defined look. May also be used to blend color in to the lower and upper lash line.

F70 CONCEALER BRUSH

Designed for the precise application of cream or liquid concealers and color correctors. The flat, rounded tip of this brush allows you to dab and blend concealer into the skin for a flawless finish.

E18 CREAM EYESHADOW BRUSH

Designed for the precise application of cream or gel eyeshadows, this flat, rounded tip is also perfect for applying eyeshadow primers and bases.

E15 EYELINER BRUSH

Designed for the precise application of cream, liquid and/or gel eyeliner, use the extra fine tip on this brush to create thin or wide eyeliner looks on the outer or inner lash line.

B13 BROW BRUSH

Designed for the precise application of eyebrow waxes, powders and gels for a defined brow. Sturdy and flexible, this microfiber brush will help you create beautiful, defined eyebrows.

B14 SPOOLIE

Designed for softening your brows and separating your lashes, the eyebrow spoolie is the perfect companion to your eyebrow routine. Use one side to smooth and de-clump your eyelashes after applying mascara. Use the other to touch up your eyebrows for a defined, natural brow.

Most Makeup brushes fall into two categories: the ones made with animal hair and the ones made with synthetic bristles. Today's synthetics are actually had become better than the animal-hair brushes and that is the opinion of many of my peers, for many practical reasons. Even do the feel of a high-quality synthetic brush may be similar to an animal-hair one, there are actually many differences between the two.

1. Synthetic brushes made of nylon or polyester filaments are less likely to become damaged by the makeup itself or products you might use to clean your brushes they dry really fast when you clean them, aside from not holding bacteria like animal hair brushes they don't deteriorate as much and they are easy to restore once they get to bend.
2. Synthetic brushes are easier to keep clean because they don't absorb the makeup pigment like animal hair does especially after continuous cleansing, animal hair opens up the cuticle of the hairs, just give it a thought what would happen if you apply makeup or any other painting product to your hair daily and clean it hopefully after every time you use your hair for it, how damage do you think your hair would get and take in consideration that your hair gets nutrients like blood and oils from your body, the paint brushes made with animal ar made with dead hair no more oil or blood supply, with that said the hair gets damage fast, especially when they are not taken care of properly. This means wear-and-tear on the Synthetic brushes.
3. Synthetic brushes are better for creating a soft, layered look they spread the makeup more evenly without over rubbing and irritation.
4. Some people are sensitive or allergic to the animal hair that some brushes are made from, including squirrel,

mink, sable and horse hair and some are of animals that you don't really want to know. Synthetic brushes are better suited for people with those sensitivities aside is no animal cruelty involved in the processes.

5. Synthetic is a great brush option for you if you are vegan and vegetarian, Or you have compassion for the suffering of animals.
6. Benefits: Synthetic brushes are unique in that the bristles naturally gravitate toward each other, allowing for more precise, smooth and streak-free application. Due to the fact that the hairs' precise properties, they are great for angled, sharply cut brushes.
7. Synthetic hair is great for cream and liquid products – including foundation, cream blush, gel liner and concealer. It is able to not absorb so much of the product and apply a smooth finish to the skin without much streaking.
8. For any cream and liquid product including lipsticks.
9. Unlike natural brushes, synthetic brushes don't "trap" and absorb makeup between bristles, which means that you'll use less product than you would with fluffier natural brushes. Synthetic brushes tend to be flatter and smoother than natural bristles, which makes them ideal for precision.

Face Brushes

- Foundation A brush with long, flat bristles and tapered tip
- Powder A brush with fluffy bristles; soft, full and rounded
- Fan brush – similar to a fan painting brush, used for light touches and even playing mascara and soft blush
- Blush brush – fine bristles and rounded head

- **Concealer brush** – soft and flat with a pointed tip and a wide base and some of them with a flat curved tip
- **Kabuki brush** – very thick and rounded with a short handle
- **Duo fiber multipurpose brush** – flat, circular and feathery head
- **Mineral powder brush** – thick and rounded for the most part
- **Face Contour Brush** – Slanted and rounded for cheekbones
- **Face Sponge** – Varied Shape, Sponge Texture

Eyes

- **Eyeshadow** brushes
 - *basic eyeshadow brush*
 - *crease brush*
 - *lid brush*
 - *contour brush/blending brush*
- **Angle eyeshadow brush** – small, soft and rounded angled tip
- **Eyeliner brush** – very thin and fine with soft bristles
- **Blending eyeshadow brush** – long with a round head
- **Smudge brush** – flat and soft
- Mascara (usually comes with the mascara) or you can purchase the disposable mascara wand your using it in different people.
- **Eyebrow brush** – long, thin with tougher bristles (like a thin toothbrush)
- **Slanted Eyebrow Definer Brush** – Stiff and Angeled
- **Spiral brush** for use to comb on any shot small hair and to apply color

Lips

- **Lipstick brush** – fine, soft and tapered

- [Lipgloss brush](#) (usually comes with the lip gloss)

Here are some sites to find out about animal cruelty is no joke we don't wish to participate in hurting animals for products that can easily be replaced with excellent performance products that are non-animal cruelty.

Are the animals harmed when they give up their hair? If we have the common sense that is a given they do not take them to a Beauty Salon that is for sure. According to [caringconsumer.com](#), mink and sable brushes often use hair obtained from the [fur industry](#), which is known for trapping and killing animals for their pelts, often by gassing or electrocuting to avoid damaging the hair nice right?. Horsehair commonly comes from horses slaughtered for meat, goats are shorn like sheep (and they suffer cuts and other injuries) we won't place the photos we have, they are horrific!! Squirrels are hunted or trapped, breaking legs and for the most part damaged to death!!! not to mention traumatized. Some manufacturers obtain their hair supplies from other countries,(like China) where animal welfare regulations are either lax or nonexistent, I lived in China and there were no regards for animals in general.

"Companies that claim that they are cruelty-free," says Peggy Hannaman-Jones, founder of the [Branded J Collection](#), "claiming they are shaving the animals and using shed hair from animals are incredibly deceiving themselves and others, to say the least. It is simply not true! All hair is bought through fur farmers all over the world." We are definitely not interested in participating in hurting anything, Period!!

Let's talk about the Oval brush

Matthew Waitesmith the former senior vice president at MAC Cosmetics was the one that reinvented the tools not just for professionals, but for novices, too. Apparently MAC had

introduced these type of brushes some years ago but they are getting super popular now because They blend products super fast and easy not to mention extremely well and the important thing for me is that uses very little product so you save all the way around, the only part for me is the Palette, where you are supposed to place product to avoid cross-contaminating. You throw away the pads, not really for me, too much waste and not much benefit. An expensive, wasteful gadget to me.

These brushes prove the claim to provide a **uniform application** with their dense, microscopically small and soft fibers which is absolutely true. They really are amazing blenders I must say.

It provides **superior blending** with an ultra-fine tip which blends on a microscopic level, creating patterns so small they are imperceptible with the naked eye and provides a very gentle feel during application of makeup. Great for mature skin, they are super gentle and get in very small little creases.

It provides **efficient use of a product** with a uniform surface area of each CosmeFibre which helps pick up and lay down product without holding on to it. CosmeFibre is made of a proprietary material that has some shape memory which **retains shape so much better** than conventional animal hairs and it doesn't change your brush shape at all. Be conscious of the cleansing and how hard you push on them, they are not invincible.

Versatile brushes which help the fiber perform well with powders, liquids or emollient-based products.

To **help to avoid sensitivities**, CosmeFibre provides an excellent animal-free alternative to conventional animal hair makeup brushes. All Artis brushes are 100% **Animal-Free!!!! yeah.**

The CosmeFibre brushes are made using a high tech manufacturing process that produces **completely consistent fibers** and is shaped and refined by hand into high-quality fiber bundles. Each brush is hand-assembled to create the

artisan-quality Artist Brush.

These brushes are **chemically resistant** which can resist excess water, alcohol, acids, detergent etc. Artis brushes won't degrade from brush cleaning formulas. I clean mine with 99% Alcohol and the look brand new

These are also **UV resistant** and brushes won't degrade due to sun or light exposure not like animal hair ones.

Modern construction and provides a **comfortable fit** for holding the brush. The fiber alignment and the tilted handle aid in **simplifying application** and blending to one's own face.

High tech resins, metalized plating, and durable monofilaments are used to help make the brush more dependable and **durable** over its lifetime of use.

All in all, I absolutely love them.

<http://features.peta.org/cruelty-free-company-search/index.asp>
[X](#)

<http://www.crueltyfreekitty.com/ultimate-guide-to-cruelty-free-makeup/>

Synthetic makeup brushes are, made of synthetic bristles. Sometimes they are dyed to look just like natural brushes – to a dark cream or brown color – but they can also

look like white or beige artificial hairs. They can be quite soft as animal hair brushes, but they're much less expensive and come in many styles and brands. Plus, they're also much easier to upkeep and don't shed as animal hair ones.

Brands like Real Techniques, Urban Decay, Too Faced, and EcoTools make exclusively synthetic brushes, and some even have cruelty-free sustainable objectives. [On the EcoTools website](#), they make it clear that their brushes "are beautiful and show respect for the earth and its beings." Let's keep the earth and animals unharmed there is no need to do anything that can cause pain or destruction do.

Today's synthetic makeup brushes are not your grandma's super stiff nylon bristles from the old days. So if you only know the name "Taklon" it's time to expand your beauty knowledge. Today's modern synthetic fibers, such as Tafre and Natrafil, offer excellent "pickup and payoff" of powder makeup, in addition to liquids and creams.

For decades now, the conventional procedure in makeup application is that you should use a synthetic makeup brush when applying liquid or cream makeup products and a real natural animal hair brush for powder and blending applications a bit much for me at least.

Usually, this advice is even attached to explanations that sound perfectly reasonable, such as the (true!) fact synthetic brushes are more hygienic for applying foundation to clean, bare skin.

But the real reason for this longstanding advice – which has become severely outdated in just the last 5 years – is that traditional synthetic brushes have never been very good at picking up powder compared to brushes made with real animal hair.

That's because the cuticle of the real animal hair is covered in DEAD cells that form scales (isn't that a great thought),

which are layered along the hair shaft in specific shingle patterns. Sometimes these scale layers can run 12 layers deep, providing lots of nooks and crannies that serve as little scoops to pick up powder makeup particles and ultimately deposit them on the skin, and with that said the powder or makeup stay in there also mixed with Skin cell and oils Hmmm!.

Each animal, in fact, has a different shingle pattern that offers unique characteristics in picking up and depositing makeup, as described in these forensic FBI files. This document from Silver Brush in Windsor, NJ, explains the differences between many animal hair variations when it comes to applying paint. And this catalogue from Crown Brush explains many of the differences when it comes to makeup application keeping in mind that a good artist can accomplish the top results with even their fingers, is not the tool what does it is the talent.

To date, goat remains the most popular makeup brush on the market. But pony, squirrel, badger, boar and sable have remained popular in some circles for their unique cuticle qualities even do synthetic brushes are perfectly good. In fact, Kolinky Sable brushes are highly cherished by makeup artists as well as painters, because of their ability to achieve the finest of point shapes and again the new non-animal brushes can accomplish the same.

The Trouble With Animal Hair – The Animals!

Beginning in 2013, however, US federal authorities began seizing shipments of Kolinsky hair brushes because of the Convention on International Trade in Endangered Species of Wild Fauna and Flora to provide protection to more than 35,000 species of animals and plants, we are so glad for that. PETA explains in this article that many of these animals are killed for their hair alone .and not for their meat at all!!!!

So, as you can see, using real animal hair brushes in makeup brushes has gotten, well, pretty complicated from an ethical and compassion standpoint and pretty expensive when you consider an animal must be caught or raised, slaughtered, skinned and then the hair has to be cleaned and sorted into different grades is that what we really want to do? when are other choices?

And to be honest, it's never been the most hygienic option because those layers of scales that create the cuticle can trap all sorts of dirt and oil and are a popular breeding ground for bacteria.

Aside from allergies to animal hair – and many women have them – there are many other issues that come with using animal hair in brushes.

Most cosmetics brands today only want to use animal hair in brushes if the animal was not killed specifically for their hair. Because that would, obviously, be cruel. And when you're applying pretty pink blush and lipstick, very few people also want to think of dead animals. In fact, squirrel brushes (which set the softness standard) have pretty much been eliminated from the landscape because of a widespread industry practice to stop killing them for their hair alone.

DuPont has been a continued leader in developing synthetic makeup brush fibers that outperform the fibers of the past. From nylon and Taklon to more modern cosmetic brush fibers,

such as Natrafil and Sorona, which is used to make Tafre, today.

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Replacing all natural hair... ...without losing in performance



Sable / kolinsky

High stiffness, high
pick up and release,
straight hair

Squirrel

Fluffy and very fine hair
High softness
Low loading



Goat

Medium stiffness, high
pick up and release,
high bushiness,
large diameter



Pony

High softness, thin hair,
medium crimp
medium
pick up



DuPont[™]
natrafil[™]
Feels and performs
like natural hair



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But if the animal was, say, slaughtered for its meat – goat is

the most widely consumed meat in the world – and the hair was a byproduct of food consumption, the beauty industry has mostly still been okay with that.

Sometimes, an animal need not be killed at all for its hair, although it's often more expensive to acquire animal hair humanely. When Wayne Goss says his brushes were made with natural goat hair “gathered humanely,” it certainly raises more questions than it might answer for some, like, precisely how was it gathered humanely?

Then, once the brush makers have the animal hair, there are also issues with the quality – or grade of the hair – and the consistency of its color, among other factors. When a brush maker is making a huge product line of brushes for, say, the Estee Lauder brand, where all the brush hair needs to be consistent, these issues can be significant. That's why a lot of brush hair is still dyed, which you can see color bleeding from your brushes after washing sometimes.

What's more, natural hair also has to be well cleaned and sanitized because of all those little scales along the cuticle trap dirt and bacteria.

So ultimately, real animal hair can be unethical, expensive and problematic.

Early Synthetic Fibers

Because of these challenges with real animal hair, a lot of makeup brush manufacturers and their suppliers have been hard at work developing more sophisticated synthetic makeup brushes that behave as good or better than real animal hair or older

model synthetic fibers.

The earliest synthetic makeup brushes on the market were straight up nylon and were stiff, flat fibers with a totally flat – microscopically speaking – surface structure. That's why powder products really don't stick to them; the powder literally slides off.

If you've ever tried to apply a dark eyeshadow with a synthetic brush, you are likely familiar with what a fallout disaster can look like.

Taklon, just like nylon, was originally developed by DuPont, the American chemical company based in Delaware. Taklon is made out of thermoplastic polyester – sometimes referred to as PBT, which stands for polybutylene terephthalate – to mimic the characteristics of natural sable. It is a bit softer than the earliest nylon brushes and a touch better at picking up powder than nylon, but not by much.

Taklon also has a tapered point, and sometimes Taklon, whose rights are now owned by the Toray Chemical Co. of Osaka, Japan, is generically referred to as “tipped polyester.” real-techniques

You can still find plenty of cheap nylon and Taklon brushes on the market today, and some brush manufacturers have gotten pretty clever to try to get them to work better with powders.

Today, for example, nylon and Taklon are made in a range of sizes, and the diameter affects the stiffness and softness of the brush, with the narrowest diameter fibers being the softest with the most sway.

By mixing together various diameters – or denier – of these early synthetic fibers, or by getting clever with the toe shape, brush makers have been able to enhance the pickup and payoff characteristics of certain synthetic makeup brushes.

Take a look, for example, at the severely raked side of the brush toe on a Real Techniques brush, and you'll see how a clever toe shape, with the end of every strand strategically placed, can improve powder pickup by using the tip, primarily, to pick the product up.

But the real holy grail in synthetic fibers has been replicating goat hair, the real workhorse fiber of the beauty industry in terms of makeup powders – and, perhaps, enhancing the antibacterial properties of the brush at the same time.

Already familiar with the opportunities of the enormous makeup brush market, DuPont's Filaments group has been hard at work trying to solve these problems.

Around 2010, DuPont launched Natrafil, which takes another polyester fiber and roughs up the surface structure microscopically with some texturizing additives in a complex and patented process, resulting in a structured surface. Just like natural cuticle, this rough microscopic structure helps the fiber pick up powder as well or better than goat or pony hair.

In today's competitive beauty market, however, some brush manufacturers decided to kick it up a notch, too.

These Tafre-fiber makeup brushes from Japanese brush maker Taiki represent some of the most advanced synthetic makeup brush fibers on the market today. They are for discerning customers that need excellent pickup and payoff of makeup products, from liquid and creams to powder.

The Japanese brush maker Taiki, for example, which has a US headquarters in Montvale, NJ, has developed an all-new patented way of making synthetic fiber with an underlying polyester material.

Basically, Taiki uses DuPont's Sorona fiber – which is a "PTT," or poly trimethylene terephthalate – to create a new

brand of synthetic fiber, Tafre, that may be the most modern and innovative on the market.

Taiki uses its manufacturing machines to extrude the fiber in a way that is similar to the way hair grows out of the skin on an animal. Which is to say that they twist it and kink it in a patented process that creates a more natural style of fiber. Because they are using DuPont's Sorona, which contains 37% percent renewable plant-based ingredients – from corn – it's also considered a green, environmentally friendly fiber. The creation of PBT fibers relies more on fossil fuels.

Compared to nylon, Sorona production uses 40% less energy and reduces greenhouse gas emissions by 56%. Interestingly, Sorona is also used in residential and commercial carpets, apparel and automotive mats and carpets. It's also highly durable with a high degree of stain resistance!

Matthew Page, Global Segment Leader, for DuPont's Sorona Automotive group, told My Brush Betty in November that Taiki is the only company using Sorona material in a makeup brush today. "It has high performance and durability," he explained, "so we see the cosmetics industry as an attractive opportunity."

The true test of Tafre's value for me was when I tested an eyeshadow Taiki-Tafre brush with some bright blue shadow after I had already applied all my other makeup. I have hooded eyelids so eyeshadow application is always an issue for me because if brush fiber isn't soft enough, it will tug on my eyelids, causing fallout and misplacing the color. In this fallout test, the brush performed beautifully. The brush was exceptionally soft, so no tugging. And, maybe even more interesting, no waste! I didn't have to see all those pretty (expensive) makeup flakes dusting away or making a mess on my cheeks.

In the end, synthetic brushes today – if you choose the right

ones – are great for all types of makeup products, from liquids and creams to powders, and they are also more hygienic, less prone to shedding and fallout and ensure a more consistent brush.

So when you buy that same model of brush that you love a few years from now, chances are better it will be just like the one you're replacing.

Synthetic Word Jumble

Artis-MirrorNow, there are a lot of fancy synthetic fiber names on the market today – and most don't really explain what they are – so it may be difficult to tell if you're getting brush made of Tafre or Taklon. Very few sellers of makeup brushes are transparent about the synthetic material used.

For example, the new Alexis Bittar Liquid Gold brushes at Sephora says they have "Satine" fiber, humm! They say it's "revolutionary" but don't explain what are they made of. Too Faced says its brushes use "Teddy Bear" hair. Again, that comes with no explanation so just marketing names. The innovative new Artis brushes here use "Cosmefibre," which comes with just a tad more explanation, but still not as much as I would like for something I'm using on my face every day.

There's one sure-fire way to get an advanced-synthetic fiber brush: Make sure to test a brush before you buy it by dipping it in some powder to see if it falls off. Just give it a light shake and see what happens. An advanced synthetic will hold onto most of the powder until you actively deposit the powder on your skin.

Most important of all, don't believe the old adage that synthetics are only good for liquid and cream products. That's just not true anymore! you can find amazing synthetic brushes that do a great job, we refuse to compromise the safety of animals.

CRUELTY-FREE MAKEUP BRUSHES: SYNTHETIC OR NATURAL?

Is pretty simple for us if it means hurting anything in the process of creating a tool we don't want to use it, period is no need at all, that is conscious KARMA and nature is not really in alignment with this behavior.

From:

<http://www.crueltyfreekitty.com/makeup/cruelty-free-makeup-brushes-synthetic-natural/>

When it comes to the topic of cruelty-free makeup brushes, there are even more things to consider. If a cruelty-free company offers brushes made from natural hair, does it mean the brushes are cruelty-free? Does it mean that the company isn't cruelty-free? In this quick guide, I'm going to walk you through all the questions you might have about choosing brushes that are 100% cruelty-free, and share with you my personal opinion on what truly makes a brush animal-friendly.

The term cruelty-free usually strictly refers to animal testing. If a product is cruelty-free, it means that it hasn't been tested on animals at any point of production or afterward. Cruelty-free does not, however, take into consideration things like animal ingredients, meaning that a product can still be certified cruelty-free by the Leaping

Bunny and contain animal ingredients. This is a controversial subject and it's very subjective where the line between what is and isn't literally "cruelty-free" can be drawn, but for the sake of clarity: cruelty-free refers to the testing methods, while vegan refers to the ingredients.

As you know, most makeup brushes are made from natural bristles of animal hair. Brushes themselves don't have to be tested on animals and are often sold by makeup brands that are completely cruelty-free in the sense that they abide by a strict no-animal-testing policy and are sometimes even certified. By this standard, it might be logical to conclude that brushes made from natural hair are also cruelty-free, although not vegan. This might sound right, but I disagree with it 100%, and here's why.

Where everyone draws the line when it comes to what is and isn't cruelty-free is sometimes a matter of opinion, and while I have pretty strong convictions given that I'm passionate about living cruelty-free and what it means to me, I also respect most opinions on the subject. And I'll share my personal opinion with you: I believe that no makeup brushes made from animal hair can be cruelty-free. This applies to the vast majority of brushes, especially those that are cheaply-made in places like China. **About 99% of brushes made from Animal hair are, in our opinion, obtained from cruel methods that can be just as cruel as animal testing.**

Many companies claim that the hair used in their makeup brushes is obtained through "humane methods" and that the animals only "get a haircut" in the making of those mass-produced brushes. But who are we kidding! Does that sound plausible to you? Even though there's no real way to prove it, it all sounds like sugar-coating to me. Also remember that a lot of brushes use badger hair and squirrel hair, and in those cases, it's safe to assume that those small animals are getting more than just "a haircut". So there you go: **I believe that buying synthetic, or vegan, brushes is the safest way to**

ensure that your makeup tools are cruelty-free.

That being said, I still support cruelty-free companies that sell natural hair brushes under their brand, although I will personally not buy or recommend buying their animal hair brushes. Sonia Kashuk is an example that comes to mind: the company is cruelty-free and their makeup brushes are excellent, but I only choose to buy their synthetic ones. It's a matter of preference, as well as where you personally draw the line. If you're a cruelty-shopper and still buy non-synthetic brushes, I'm not here to preach. After all, the official message of these brands is that their animal hair brushes are, indeed, cruelty-free.

Where do *you* draw the line? Do you avoid all animal ingredients? Are you fine with all animal ingredients, or do you only buy cosmetics that contain some of them, like beeswax, and avoid others? Or like me, do you draw the line at animal hair brushes?

Today, there are more cosmetic companies than ever focused on quality products that are cruelty-free and eco-friendly.

Aveda offers **brushes** with bristles made from taklon (a non-animal fiber) and handles made of 30% natural flax fiber and 70% polypropylene (of which 90% is post-consumer recycled resin), making them not just animal-friendly, but environmentally-friendly as well.



[The Body Shop](#), which does not test its products on animals (neither does its suppliers) or sell brushes made from animal hair, offers good-quality [synthetic brushes](#) in different shapes and sizes for different applications. Whether you're adding a touch of pink to your lips or a soft finish to your forehead, consider the variety of its synthetic brushes available.



From the Body Shop I selected one of my favorites the Eyeshadow Brush item #10611, the brush is a high-quality makeup brush even though they sell it as an eyeshadow brush which I use it often for and love, the brush is great for concealer detail and anything else you find a use for, so

often people ask me what brush I use with which products and my answer is always whatever works for you. There are really no rules, companies design brushes to work for different uses and to provide us with bigger selections and more product, to tell you the truth all of us that use brushes on everyday terms, have our favorites that we adopt.

My last bit on this brush, I like that the brush handle bottom is flat and I can place the brush standing up, easy for me to grab and it doesn't get product all over my setup.

NVEY ECO, originally from Australia but you can order its products online, offers certified organic makeup products. Along with that the company sells makeup brushes with bristles made of synthetic fibers, not animal hair, and include the world's first compostable makeup brush handle Hummm why would we want to compost our make up brush handles? not sure well intended do. None of the ingredients in the company's products are made from ingredients derived from genetically modified crops, nor does it use mineral or petroleum oils.



[Urban Decay](#) is known for its creative and alternative colors (along with product names like Smog and Acid Rain and Oil Slick) and for its cruelty-free and certified vegan products. Check out its “Good Karma” line of [brushes](#) made from recycled

plastic bottles and aluminum. Now that is Eco-friendly reusing products that other way contribute to solution great solution.

In **Urban Decay** brushes I would like to go over a few of them that I have tried lately.

Let's start with Good Karma Optical Blurring brush, (the blurring name is probably referring to blending I assume), The brush is very good at blending. I use it especially with clients that favor mineral makeup. For me, it is easy to handle and blends very well. It works with cream foundations, liquid foundations, and mineral powder foundations even though it was created for Urban Decay's Naked Skin Weightless Ultra Definition Liquid Foundation.

The brush bristles are amazingly soft, it just glides. Not only do I like the feeling but the idea that it seems very gentle on the skin, which is a concern for me, too much pulling and rubbing can cause IRRITATION!and that combined with products no so good especially for the long term.

GOOD KARMA BRUSHES

Keep your karma intact without sacrificing performance. Our 11 new brushes are 100% vegan, eco-friendly, and professional quality.

SHOP NOW ➤

LOOK, MA!
NO SQUIRREL BUTTS!

The brush is very easy to clean and dries very fast, another great plus for me being that it is synthetic. It is not bacteria friendly and won't cause allergies for people that

have animal hair allergies, not to mention CRUELTY-FREE. The brush is medium size with a dome head. Very easy brush to manipulate for chin area, nose area, and eyes if you choose to. And to add another quality that I admire, the fact that it comes in a container to store it, great to keep sanitized.

EcoTools, All materials used in the [EcoTools collection](#) are earth-friendly and include tree-free paper, a natural hemp blend, recycled plastic lining, as well as non-toxic inks. The brushes are made with recycled aluminum, bamboo, and synthetic bristles.



For more information on synthetic versus animal hair makeup brushes [click here](#)

Super Synthetics

from:

<http://www.peta.org/living/beauty/synthetic-make-brushes/>

There's no reason to use animal-hair brushes, especially when

there are so many high-quality synthetic brushes available. Check out these companies' luxurious offerings:

- **Circa Brushes**

Carries a line of makeup brushes that use high-quality, hand-cut synthetic hair. Eva Mendes is the creative director for this cruelty-free beauty brand, available exclusively at Walgreens.



- [wet n wild](#) is sending a positive message to cosmetics companies around the world: It dropped all animal hair from its makeup brushes and went vegan!
- [Branded J](#) knows that animal-hair brushes aren't just bad for animals—they're also bad for your skin. Unlike animal-hair brushes, which are loaded with dead skin cells, bacteria, and chemicals that can cause your skin to break out Branded J's collection of custom-cut taklon brushes is animal-friendly, anti-bacterial, and awesome for applying make-up.
- [The Body Shop](#) knows that if you wouldn't put on makeup using your cat's tail, you don't want to use any other animal part, either—its brushes don't contain animal hair.
- [Ecco Bella Botanicals](#) has a range of non-animal brushes that complement its cruelty-free cosmetics.
- [Paris Presents' EcoTools](#) makeup brushes are made with cruelty-free taklon bristles, sustainable bamboo handles, and other natural and recyclable materials to keep you *and* the Earth looking beautiful. Alicia Silverstone is a celebrity fan of these luxurious-yet-affordable brushes, which can be found in many drugstores.
- For professionals and newbies alike, [It Cosmetics](#) offers a large selection of high-quality brushes to help you apply makeup smoothly and accurately.
- [Garden Botanika](#) brags that its 100 percent taklon brushes are actually softer than those made from fur, allowing more makeup to cling to the brush and providing a smoother application.
- [Origins Natural Resources](#) brushes look and feel like animal hair, but don't worry—they're cruelty-free just like the rest of Origins' personal-care products.
- [Urban Decay](#) Good Karma brushes tickle your face using

synthetic taklon.

- [Aveda](#) brushes are also made of taklon, with a flax-infused, recycled-resin handle. They're animal- and environment-friendly!
- [Nanshy](#) uses only super-soft synthetic hair in its brushes—and its lush vegan brushes are famous for their durability, flexibility, and easy maintenance.
- [Sevi Cosmetics](#)' 100 percent taklon brushes are the perfect complement to its vegan makeup. No cruel animal testing and no creepy animal ingredients!
- [Valana Minerals](#) knows that "[t]here is no need to sacrifice quality or animals in the pursuit of beauty." Its six luxurious synthetic makeup brushes are perfect for applying Valana's cruelty-free and vegan powder, foundation, blush, bronzer, and eye color.
- [Afterglow](#) luxe professional cosmetics brushes are uniquely designed to provide a beautiful, flawless finish. Handmade of the highest quality taklon, they're super soft and ideal for applying loose mineral makeup evenly.

Cruelty-Free Makeup Brushes

Review – Synthetic Makeup Brushes – Cruelty-free – ELF & Eco Tools No Animal Hair from [CrueltyFreeQTs](#)

Cleaning your brushes

I personally clean my brushes every time I use them. When I work I use individual bags for the actors with their brushes and their makeup, it is a great way to avoid cross-contamination and breakouts. One of my mentors taught me to use 99 % alcohol for several reasons, one being that it kills bacteria in contact another is that it dries very quickly so no more bacteria or fungus mold can grow on the brushes inside the ferrule. The alcohol doesn't damage the brushes at all contrary to what one would believe. I have over 500 brushes and use them for years and they are in perfect shape. The commercial Brush cleaners tend to have scents that can cause allergies, Skin breakouts, and contain Petroleum byproducts like oils that get in the Ferrule of the Brushes (that is the metal cylinder that holds the hair to the Brush handle) it doesn't let it dry and bacteria grows there. they are more expensive and a lot less quantity and it leaves a residue on the brush that I personally don't wish to place on the actor's skin is not made for that. I get a Gallon of 99 % Alcohol and it lasts me for several months. Is too much risk of contamination to take so have a Brush Cleaning Party with your friends!!!

ZOREYA(TM) Makeup Brushes 15pc High-End
Real Walnut Handle Makeup Brush Set with
free case

Set



Uniqcare Electric Makeup Brush Cleaner and Dryer- Professional, Automatic



We use 99% Alcohol with the Brush

cleansing Machine nothing else

ABCsell Acrylic Makeup Cosmetic Organizer
Display Stand For 10pcs Toothbrush
Foundation Brush RD



Bee Venom For Beauty And Wellness Part Two



Honeybee venom

Welcome to one of my favorite subjects. We intend to provide you the reader with accurate content.

Here on week 298, we are sharing the magical life of Bees and their products, these little beings dedicate their entire life to pollinate and produce the products described in this post we wish for the information to make a difference on how you perceive Bees. Most people are afraid of them and don't like them, and we think the reason for that is that people don't know how much they benefit our Ecology and our entire wellbeing. Let's honor them by giving them the chance to know them better, enjoy and let's share it so many can benefit.

Honeybee venom is composed of two glands associated with the sting apparatus of worker bees. Its production increases during the first two weeks of the adult worker's life and reaches a maximum when the worker bee becomes involved in hive defense and foraging. It diminishes as the bee gets older. The queen bee's production of venom is highest on emergence, which allows her to be prepared for immediate battles with other queens.

When a bee stings, it does not normally inject all of the 0.15 to 0.3 mg of venom held in a full venom sac (Schumacher et al., 1989 and Crane 1990, respectively). Only when it stings an animal with skin as tough as ours will it lose its sting – and with it the whole sting apparatus, including the venom sac, muscles, and the nerve center. These nerves and muscles, however, keep injecting venom for a while, or until the venom sac is empty. The loss of such a considerable portion of its body is almost always fatal to the bee.

Used in small doses, however, bee venom can be of benefit in treating a large number of ailments. This therapeutic value was already known to many ancient civilizations and now is much documentation on its benefits.

Honeybee venom is a clear, odorless, watery liquid. When coming into contact with mucous membranes or eyes, it causes

considerable burning and irritation. Dried venom takes on a light yellow color and some commercial preparations are brown, thought to be due to oxidation of some of the venom proteins. The venom contains a number of very volatile compounds which are easily lost during collection.

88% of venom is water. The glucose, fructose and phospholipid contents of venom are similar to those in the bee's blood (Crane, 1990). At least 18 pharmacologically active components have been described, including various enzymes, peptides, and amines. Detailed information on the components is available in the Krell document noted below.

(taken from Krell, R., "Value-Added Products from Bee-Keeping," FAO Agricultural Services Bulletin #124, 1996)

Dried Bee venom



Bee venom, also known as apitoxin or apis mellifera. These two proteins are one of the keys to healthy skin. Collagen gives skin its elasticity and strength, and a reduction in collagen (sparked by the natural aging process) can lead to wrinkles and fine lines and sagging skin.

Meanwhile, elastin is essential for the production of elastic fibers in the body. These small groups of proteins help to give strength and flexibility to our connective tissues all over our bodies, providing structural support for skin, the heart, lungs, and other organs.

Products made with purified bee venom can help to moisturize skin while providing so many benefits.

In most cases, application of these creams, moisturizers, masks, and cleansers will feel much like an ordinary beauty product, although it may induce some micro-swelling (light plumping) in the area as it works.

It's important to remember that if you do have a severe allergy to bee stings, it's best to seek advice from your doctor before using any products containing bee venom that is a must.

The main component in apitoxin is melittin amounting to 52 % of venom peptides.

Other components of Bee Venom are:

- Apamin increases cortisol production in the adrenal gland. Apamin is a mild neurotoxin.
- Adolapin, contributing 2–5% of the peptides, acts as an anti-inflammatory and analgesic because it blocks cyclooxygenase.
- Phospholipase A2 amounts to 10–12% of peptides and it is the most destructive component of apitoxin. It is

an enzyme which degrades the phospholipids which cellular membranes are made of. It also causes decreased blood pressure and inhibits blood coagulation. Phospholipase A2 activates arachidonic acid which is metabolized in the cyclooxygenase-cycle to form prostaglandins. Prostaglandins regulate the body's inflammatory response.

- Hyaluronidase contributing 1–3% of peptides dilates the capillaries causing the spread of inflammation.
- Histamine contributing 0.5–2% and is involved in the allergic response.
- Dopamine and noradrenaline which contribute 1–2% increase in pulse rate.
- Protease-inhibitors contribute 2% and act as anti-inflammatory agents and stop bleeding.
- Tertiapin.

According

to: <http://www.shirleys-wellness-cafe.com/NaturalFood/Bee>

Honeybee venom contains at least 18 active substances. Melittin, being the most prevalent substance, is one of the most potent anti-inflammatory agents known (100 times more potent than hydrocortisol). Adolapin is another strong anti-inflammatory substance, and inhibits cyclooxygenase; it thus has analgesic activity as well. Apamin inhibits complement C3 activity and blocks calcium-dependent potassium channels, thus enhancing nerve transmission.

Other substances, such as Compound X, Hyaluronidase, Phospholipase A2, Histamine, and Mast Cell Degranulating Protein (MSDP), are involved in the inflammatory response of venom, with the softening of tissue and the facilitation of flow of the other substances. Finally, there are measurable amounts of the neurotransmitters Dopamine, Norepinephrine and Serotonin.

The composition of bee venom and its properties

Dried bee venom composition

COMPONENT	MOL. Wt.	% (Dry Venom)
PEPTIDES		
Melittin	2,840	40-50
Apamin	2,036	2-3
MCD-Peptide 401	2,588	2-3
Adolapin	11,500	1.0
Protease inhibitor	9,000	< 0.8
Secarpin		0.5
Tertiapin		0.1
Melittin F		0.01
Procaine A, B		1.4
Minimine	6,000	2-3
Cardiopep		< 0.7

ENZYMES	MOL. Wt.	% (Dry Venom)
Hyaluronidase	38,000	1.5-2.0
Phospholipase A2	19,000	10-12
Glucosidase	170,000	0.6
Acid Phosphomono-esterase	55,000	1.0
Lysophospholipase	22,000	1.0
ACTIVE AMINES		
Histamine		
Dopamine		0.13-1.0
Norepinephrine		0.1-0.7
NON-PEPTIDE COMPONENTS		
Carbohydrates: Glucose & Fructose		< 2.0

Bee venom is a complex substance, the chemical composition of which are enzymes, proteins, amines (histamine, choline), volatile oils, evaporating during the drying of poison. And acids (hydrochloric, phosphoric, formic) and substances such

as hormones of the adrenal cortex.

Let us consider the properties of bee venom, which he has:

- Improves fat metabolism, which in turn regulates cholesterol metabolism, reducing its concentration in the blood;
- Enhances the action of enzymes and hormones;
- Stimulates the “adrenal glands – the pituitary gland”;
- Assists in the concretionary bones as facilitating this process;
- Has anti-inflammatory effects;
- Thanks to the analgesic, antispasmodic and vasodilatory action, bee venom is often used for children to relieve pain in the abdomen;
- Contains substances which lower the body temperature;
- Has a positive effect on the central nervous system;
- Strengthens the immune system;
- Has antiarrhythmic action and the ability to stimulate the heart;
- Restore the myelin sheath of nerve fibers, resulting in normal nerve impulse;
- Improves sexual function;
- Contributes to the removal of salts from the human body;
- Stimulates brain activity;
- Increases the elasticity of the connective tissue;
- Improves hearing, memory, and vision.

Thus, bee venom is a unique substance, the positive properties

of which are not fully understood until now. However, the effect of bee venom is widely used in modern medicine for the effective treatment of almost all of the human body.

Health benefits of honey bee venom (apitoxin)

Disease	Very good success	Good success	No change
Polyarthritis	77	18	15
Osteoarthrosis (orthopedic disease)	1542	352	116
Bronchial asthma	38	17	10
Hypertension	18	9	18
Multiple sclerosis	103	72	35
Post stroke paralysis	196	10	31
Polyneuritis	22	9	6
Ganglion nerve inflammation	11	4	1
Cerebellar ataxia (muscular disfunction)	12	7	2
Syringomyelia (pain of extremities, headache)	140	31	11
Inflammation of facial nerve	128	6	1
Myopathy (neuromuscular disease)	54	8	16
Trigeminal neuralgia	16	7	2
Post-traumatic inflammation of the plexus nerve	206	46	21
Arachnoid inflammation (a CNS membrane)	275	20	20

from: <http://www.diyhomeremedies.net/health-benefits-honey-bee-venom-apitoxin/>

Honeybee venom (apitoxin) has anti-inflammatory, antifungal, antibacterial, and antipyretic properties.

It is known as an effective natural remedy for rheumatism and pain relief.

Also, it is effective against insomnia, migraine, energy, immunity, increases appetite. Generally, honey bee venom (apitoxin) is an excellent prevention against infectious diseases.

Russian scientists have discovered that honey bee venom (apitoxin) has the ability to expand blood vessels, which improves blood circulation and metabolism.

Due to irritation, at the time of bite immune system activates wherein the blood begins to circulate and stronger circulation and higher oxidation prevent bacterial growth.

Honeybee venom (apitoxin) opens capillary walls, allowing the body easily and quickly discharge of waste substances. In this way, the metabolism accelerates, and the body is filled with oxygen.

Honeybee venom (apitoxin) therapy has proven to be useful in :

- arthrosis and arthritis
- inflammation of nerves (neuritis, sciatica)
- multiple sclerosis
- Parkinson's disease
- cerebral palsy
- high blood pressure
- high cholesterol
- poor circulation
- inflammation of blood vessels
- asthma and allergies
- urticaria
- psoriasis
- wounds and scars
- inflammation of the ovaries and fallopian tubes
- addiction

Egyptian Bee Keeper

1. Introduction

2. History of Beekeeping in Egypt

3. The Role of the Bee Keeper

4. The Beekeeping Process

5. The Importance of the Bee Keeper

6. The Future of Beekeeping in Egypt

7. Conclusion

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Therapies involving the honeybee have existed for thousands of years and some may be as old as human medicine itself. The ancient rock art in the caves of early hunter-gatherers depicts the honeybee as a source of natural medicine. Bee

venom therapy was practiced in ancient Egypt, Greece, and China—three Great Civilizations known for their highly developed medical systems. Hippocrates, the Greek physician known as the “Father of Medicine”, recognized the healing virtues of bee venom for treating arthritis and other joint problems he knew about it. Today, growing scientific evidence suggests that various bee products promote healing by improving circulation, decreasing inflammation, and stimulating a healthy immune response.

It is important to note that Apitherapy is not only the use of the venom for healing, often called Bee Sting Therapy, but the use of all the hive products, and usually a combination of them. These products are also sometimes mixed with other ingredients, specifically different essential oils, dependent on the condition being treated.

The more modern study of apitherapy, specifically bee venom, was initiated through the efforts of Austrian physician Philip Terc in his published results “Report about a Peculiar Connection between the Bee Stings and Rheumatism” in 1888. Bodog Beck (Budapest, Hungary 1871 – NYC, 1942) followed Terc, and brought Apitherapy to the United States. More recent popularity has been credited to Charles Mraz (1905 – 1999), a beekeeper from Vermont, who knew Beck. Some of the Board Members of the American Apitherapy Society, as well as some general AAS members, have been trained by and/or treated and inspired by Mraz. The Society’s annual educational and training event, CMACC, is named for him, the Charles Mraz Apitherapy Course and Conference.

Do Bee Venom Beauty Treatments

Work?



'Bee Venom' Beauty Secret of Celebrities and Royal Families Hits Story Today

freya in Wonderland



Camilla Rosemary



Kate Middleton



Victoria Beckham



Gwyneth Paltrow



Keira Knightley

In the last couple of years there has been a lot of buzz in the press and the media about bee venom products and the benefits being gained by various actresses, celebrities and royalty using them, I personally got introduced to stover forty years ago by my mother she always used royal jelly and all Bee products. But before rushing out to buy it wouldn't you like to know just a bit more about what bee venom can or can't do for you? Always be conscientious of your tolerance to bee products, and by that, I mean allergies to bees) Bee venom treatments aren't a new addition to beauty and health treatments, they have been around for centuries, but it's only recently that the benefits have become public knowledge and

approved in safety for public use.

We are always on the lookout for products that can help us to get rid of wrinkles and fine lines or to rejuvenate our skin to its original youthful glow, and this is where bee venom creams and masks seem to play a significant role in restoring elasticity and radiance to your skin. So, the next question is, do bee venom treatments really work and will they be suitable for you? I have used them for at least a couple of decades and yes they work to be realistic that your style of life plays a huge role in the overall health and that includes your skin!!

What Are Bee Venom Beauty Treatments?

The Chinese and the Greeks used bee venom treatments for centuries, but it is only until recently that we have recognized their benefits as part of a daily beauty regimen. Aging, unfortunately for the ones that can't accept it, is a fact of life but that doesn't mean we can't take steps to ease into the process, fine lines and sagging skin. There is a range of specialized bee venom treatments, including bee venom masks and bee venom, its creams and even injectable form to provide the essential components to rejuvenate and restore your skin close to its former state, here let's be realistic also it doesn't do plastic surgery.

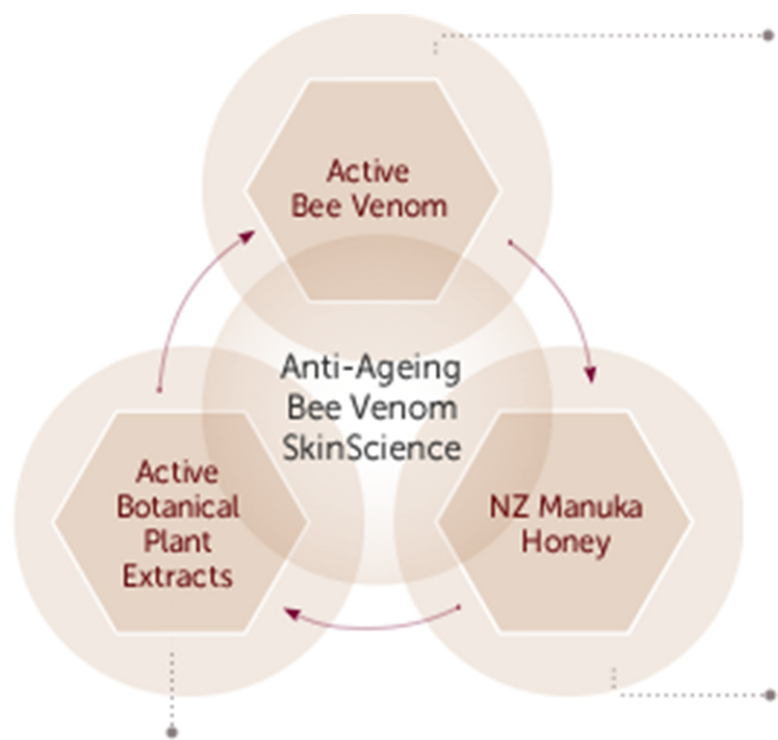
How Does Bee Venom Work?

Bee venom is a clear, odorless liquid that's injected into your skin when a honeybee stings you. It consists of more than 20 known compounds, the most prominent being melittin, a protein that boasts powerful anti-inflammatory, anti-bacterial, and anti-viral properties. Most products that contain bee venom act in a somewhat similar manner when placed on your skin, though the effects can vary from person to person. Basically, bee venom sort of tricks your skin and its mild irritant properties make your skin believe that it is under "attack". Consequently, your skin reacts by producing more elastin and collagen plus the blood circulation to the facial skin also increases all resulting in a healing effect. The end result is plumper, firmer and smoother skin.

Using bee venom treatments on a regular basis can result in a massive transformation of your skin. You should also make sure that you include your neck and décolletage (chest area) in your bee venom regime since it is equally exposed to sun and air pollutants and it's often overlooked. The bee venom creams can be used overnight and work on the skin even when you sleep. The bee venom masks need to be applied then left on for 15- 20 minutes before washing off with water, and you will usually feel immediate results after a bee venom mask treatment. A combined use of bee venom masks and bee venom cream will result in the cleansing, tightening, softening and nourishing of your facial skin.

What Else Should You Know About Bee Venom Treatments?

Bee venom is unique in regard to beauty benefits but a small word of caution at this point – anyone who is allergic to bee products should not use bee venom treatments. They can lead to severe reactions for some people. Always test any product before you start using it on a regular basis and then begin your journey to a permanently good-looking skin.



New Zealand plant extracts are truly unique and well known for their natural functionality in skincare.

We selectively blend these raw harvested botanical actives with the science of Apitherapy to achieve the specific functionality of each product in the range.

Bee Venom is THE most natural agent you can choose to trigger Collagen and Elastin. Muscles respond by tightening and lifting. Each product has a variable level of Active Bee Venom according to its functional purpose.

Venom collection DOES NOT harm the bees. Purified Bee Venom becomes non-allergenic when combined with Manuka Honey.

Manuka Honey is a staple in the SAViQ base blend. It naturally supports youthful elasticity by inhibiting the enzymes that break-down Collagen.

New Zealand Manuka Honey is hailed as nature's wonderfood with unique antibacterial activity. It is anti-inflammatory and proven to soothe and heal.

So how does it work?

As skin ages, it loses its naturally-occurring collagen which results in sagging skin and fine lines and wrinkles. Sometimes referred to as nature's Botox, bee venom therapy works to reverse the effects of aging by encouraging the stimulation of natural collagen and elastin.

Applying small amounts of bee venom creams to the skin fools it into thinking it has been stung. Blood is sent to the affected area which in turn stimulates the production of collagen, which strengthens body tissue, and elastin, which helps the skin stay firm and youthful. Regular users of bee venom therapy beauty products like eye cream, venom masks, ointment and, serum can notice a number of benefits including improved skin texture and firmness, the reduction of pores, fine lines and wrinkles, and reduced pigmentation and sun damage.

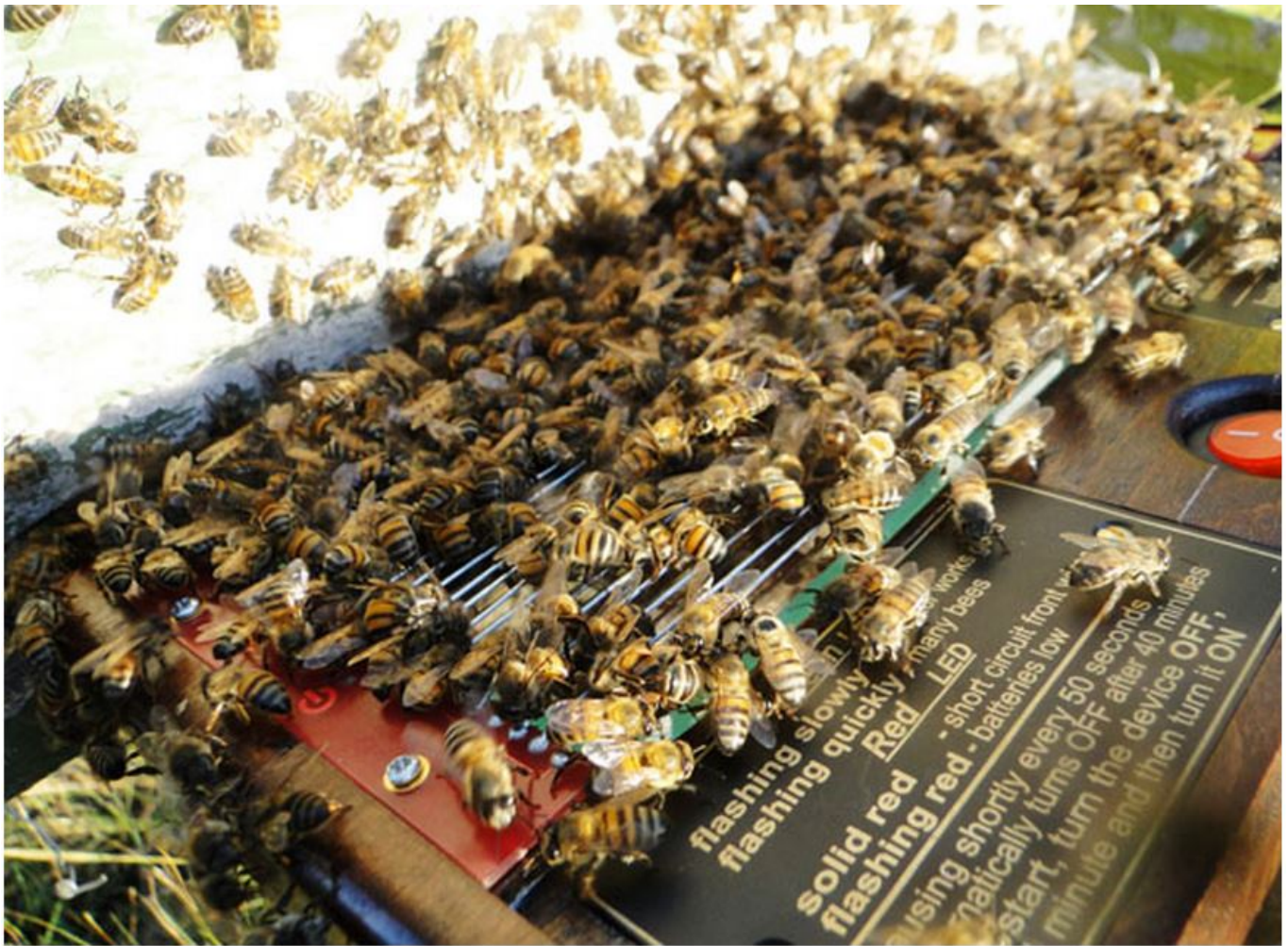
It's important to reiterate that you shouldn't just squeeze the venom out of a bee and dab it on your wrinkles. The difference between a bee venom cream and an actual bee sting is the dosage. Bee venom beauty products like eye cream, moisturizer, venom mask and venom ointment contain a low-dose variant of bee venom, which means a user can still enjoy the skincare benefits it provides without actually being stung.

Bee venom by itself is excellent for an instant skin lift and plump-up, but if it's left on your skin for too long at one time, it can result in a similar reaction to an actual bee sting. To avoid the angry response while still harnessing the power of nature, bee venom is often combined with New Zealand Manuka honey. Not just famous for our organic skincare ranges, we produce New Zealand Manuka honey which is internationally recognized for its healing and overall health benefits. It has anti-inflammatory properties which help to reduce possible redness that might be caused by the application of bee venom, while its anti-bacterial benefits assist with any possible

skin infection. Bee venom and New Zealand Manuka honey combos come in venom masks, eye creams, moisturizers and a wide range of cosmetics and ointments.

However, the one-star ingredient that's been gaining a steady buzz over the past few years is the use of bee venom to promote positive effects in human skin. Its inherent properties have earned it the nickname of 'nature's botox', and even Kate Middleton reportedly used a face mask with bee venom as part of her wedding preparations.

But is it safe for the bees?



from:

<http://www.prevention.com/beauty/natural-beauty/bee-venom-beauty-trend-killing-bees>

When a bee stings a person, it dies because it no longer has its stinger. Collecting bee venom, on the other hand, is not harmful or stressful for the bees. A glass sheet is placed into the beehive along with a very weak electrical current running through it. When bees sit on the glass, the weak current encourages them to stick out their stingers and pump out a small amount of venom. As each bee releases its venom, it also releases pheromones which tell the other bees to sting the glass too. The venom sticks to the glass, which is then removed from the beehive and the venom collected and purified. And in case you were wondering, collecting bee venom does not contribute to colony collapse disorder, the unusually high levels of hive loss reported by beekeepers beginning in 2006. That's caused by a cocktail of diseases, parasites, poor nutrition, and environmental stressors like pesticides and limited water access say the USDA. Frass has noticed that the bees he stimulates for venom even yield more honey than their non-stimulated counterparts. "I don't know if [the stimulation] has anything to do with it, but we definitely haven't seen a negative impact [on the bees]."

But even if bee venom collection turns out to be a positive for bees, know that us humans can definitely get too much of a good thing. "We've heard of people using bee venom two or three times a day, and that's not something we recommend. It's a matter of your personal preference and tolerance level, but using bee venom two or three times a week is more than enough to achieve the desired effects," says Frass.

The venom is harvested from bees without causing them any harm.

from: <http://www.manukadoctor.com/purified-bee-venom>

That means you can rest assured no bees were harmed in the making of your beauty product, and you can look forward to seeing the results of this wonder ingredient on your skin.

Purified Bee Venom (PBV™) is an industry first from Manuka Doctor. Because venom can contain contaminants from handling and collection, we established a process to ensure only the purest of ingredients go into our products and on your skin.

Each batch of PBV™ is tested for its composition and recorded for quality control and tracking purposes. If it doesn't meet our strict specifications for purity and toxicity testing, it is immediately rejected.

Our highly trained beekeepers undergo regular learning for quality controlled bee venom collection. Research has proven that the quality of our bee venom is of a clinical patient treatment standard. In Korea, where extensive testing of bee venom has taken place, leading researcher Dr. Sang Mi Han concluded that there is no guarantee that other bee venom sources would give the same results as Purified Bee Venom. However, the one-star ingredient that's been gaining a steady buzz over the past few years is the use of bee venom to promote positive effects in human skin. Its inherent properties have earned it the nickname of 'nature's botox,' and even Kate Middleton reportedly used a face mask with bee venom as part of her wedding preparations.

Here are some fascinating facts

The honey bee has been around for millions of years.

Honey bees, scientifically also known as *Apis mellifera*, are environmentally friendly and are vital as pollinators.

It is the only insect that produces food eaten by man.

Bee Venom has evolved beyond a physical defense against predators, to be a colony protector.

Honey is the only food that includes all the substances necessary to sustain life, including enzymes, vitamins, minerals, and water; and it's the only food that contains "pinocembrin," an antioxidant associated with improved brain functioning.

Honey bees have 170 odorant receptors, compared with only 62 in fruit flies and 79 in mosquitoes. Their exceptional olfactory abilities include kin recognition signals, social communication within the hive, and odor recognition for finding food. Their sense of smell was so precise that it could differentiate hundreds of different floral varieties and tell whether a flower carried pollen or nectar from meters away.

The honey bee's wings stroke incredibly fast, about 200 beats per second, thus making their famous, distinctive buzz. A honey bee can fly for up to six miles, and as fast as 15 miles per hour.

The average worker bee produces about 1/12th teaspoon of honey in her lifetime.

A hive of bees will fly 90,000 miles, the equivalent of three orbits around the earth to collect 1 kg of honey.

It takes one ounce of honey to fuel a bee's flight around the world.

A honey bee visits 50 to 100 flowers during a collection trip.

The bee's brain is oval in shape and only about the size of a sesame seed, yet it has a remarkable capacity to learn and remember things and is able to make complex calculations on distance traveled and foraging efficiency.

A colony of bees consists of 20,000-60,000 honeybees and one queen. Worker honey bees are female, live for about 6 weeks and do all the work.

The queen bee can live up to 5 years and is the only bee that lays eggs. She is the busiest in the summer months when the hive needs to be at its maximum strength and lays up to 2500 eggs per day.

More significant than the worker bees, the male honey bees (also called drones), have no stinger and do no work at all. All they do is mating.

Each honey bee colony has a unique odor for members' identification.

During winter, honey bees feed on the honey they collected during the warmer months. They form a tight cluster in their hive to keep the queen and themselves warm.



RENOVE VEE TOX Anti Aging Cream and wrinkle treatment

AN ANTI-AGING CREAM THAT WORKS – Renove Vee Tox Bee Venom Mask brings to you two of the best anti-aging ingredients, Bee Venom (purified) & Manuka Honey (Active 15+), that are

completely organic & gentle – Say goodbye to cosmetic injections/fillers



[Renove VEE TOX](#)

[Advanced Hydration Cream](#)

Hydration is the key to any effective anti-aging regimen. VEETOX Advanced Hydration Cream is the ultimate anti-aging cream, made to reveal the beauty within, at any age. Each and

every ingredient is all-natural without any hidden parabens. No artificial fragrances or synthetic preservatives that can be harmful or irritating.

Key Ingredients: Hyaluronic Acid, Manuka Honey, Bee Venom, Swiss Apple Stem Cell Extract, Beech Tree Bud Extract, Creme Oil, & Vigna Aconitifolia Seed Extract



[RENÖVE VEE TOX
Bee Venom Mask Anti-Aging Cream w/Manuka Honey \(15+\)](#)

AN ANTI-AGING CREAM THAT WORKS – Remove Vee Tox Bee Venom Mask brings to you two amazing anti-aging ingredients, Bee Venom (purified) & Manuka Honey (Active 15+), that are organic & gentle AND effective.

FOR YOUTHFUL SKIN – Pure Bee Venom in this face mask stimulates the production of elastin & collagen that work together to tighten your skin, help ease wrinkles, and reduce the appearance of aging.



[beeco, Pure New Zealand Bee Venom Mask](#)

Rare New Zealand Bee Venom extract works to naturally lift and firm the skin, eliminating the need for cosmetic injections or fillers.

The Abeeco Bee Venom Mask formulation combines a proprietary

blend of magical New Zealand Bee Venom, soothing Manuka Honey as well as natural essential oils and nutrients to promote plump and youthful skin.



Medicine Mama's Apothecary Sweet Bee Magic All In One Healing Skin Cream

HEALS DRY SKIN with immediate and lasting moisture

SOOTHES & RELIEVES red, itchy, or sunburnt skin

CELLULAR NUTRITION Delivers optimal cellular nutrition and support

REPAIRS minor cuts, scrapes and burns and Improves texture and tone of skin

MAGIC Sweet Bee Magic[®] is gentle and safe to use on even the most sensitive or acne prone skin. Our carefully chosen organic oils and beeswax do not clog pores. Perfect for daily use by all ages, skin types and genders.