

# Give Me Some Lip

Anatomy of the Lip and Lip Care Technologies

SCC Midwest Chapter

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By

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## Give Me Some Lip - Anatomy of the Lip and Lip Care Technologies

- **Introduction**
- **Anatomy of the Lip**
- **Skin Structure of the Lip**
- **Common Lip Conditions**
- **Lip Care**
  - **Cosmetics**
  - **Preventions and Protections**
  - **Treatments**
- **Lip Balm formulations/Technologies**
- **Conclusion**

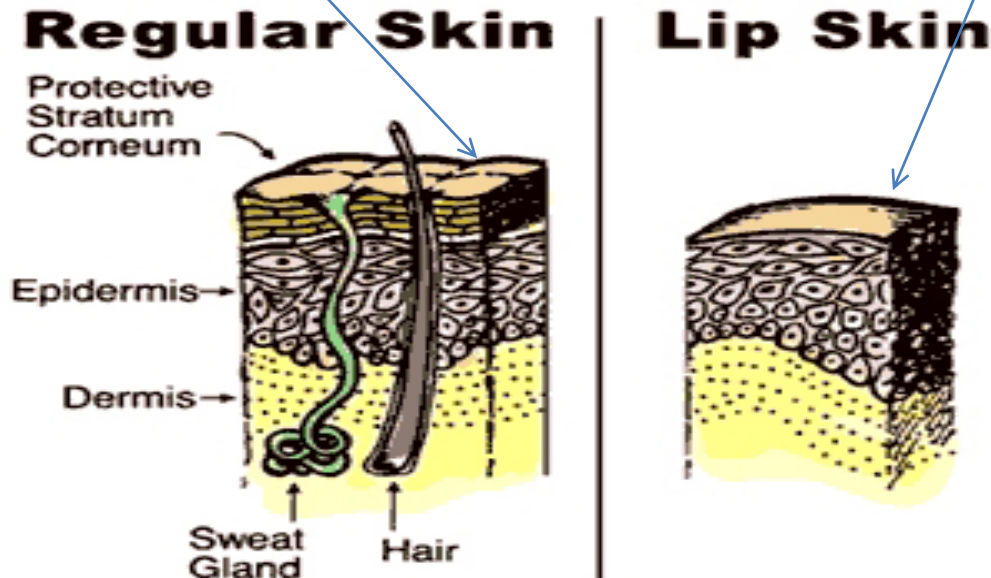
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## Skin Structure of the Lips

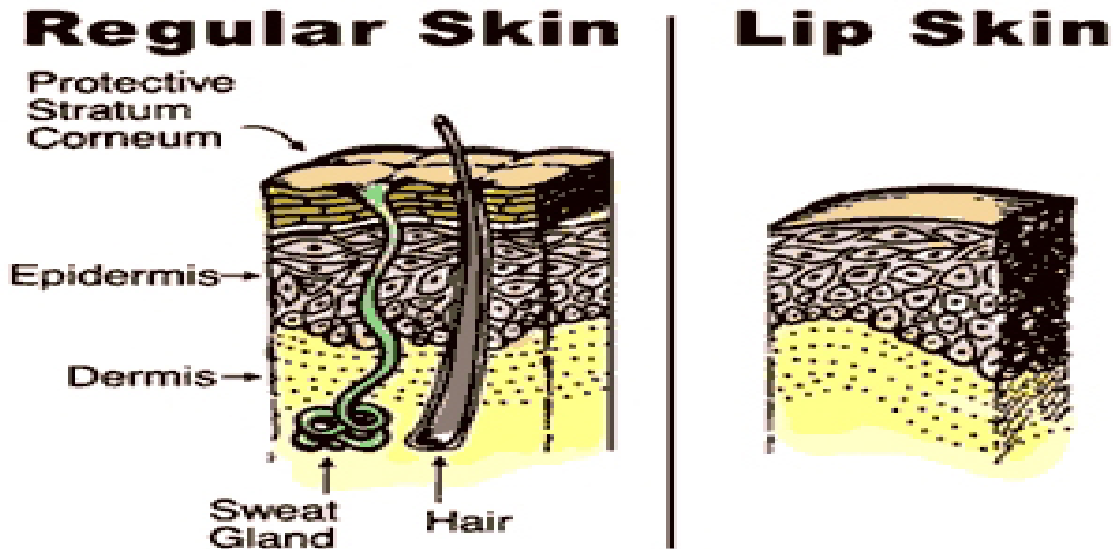
What makes the lip more attractive than the regular skin:  
The top corneum layer of the lip is about 3-4 layers thick, very thin compared to typical face skin, generally it has 15 to 16 layers.



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## Skin Structure of the Lips

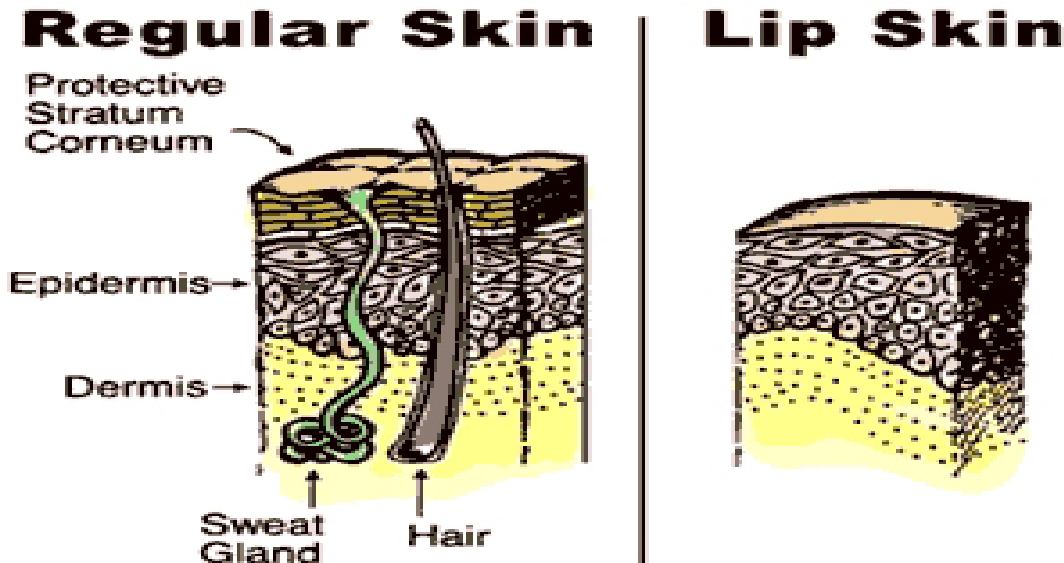
The lip skin contains very few melanin cells. Because of this, the blood vessels more clearly appear through the skin of the lips that gives a lovely pinkish color of the lips.



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## Skin Structure of the Lips

The lip skin has no hair follicle and no sweat glands. Therefore it does not have the sweat and body oil in protecting the lip from outside environment.



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## **Common Lip Conditions-dry and chapped lips**



Due the differences in the skin structure, the lips dry out faster and become chapped more easily.

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Absence of moisture, dry lips if not protected properly leading to cracking and bleeding.

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- **Lip Care**

- **Cosmetics-** such as lip sticks, make the lips more attractive, but provide limited protection.

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- **Lip Care**

- **Cosmetics**

- **Preventions and Protections**

- ✓ **Living for healthy lips**-Excess sun exposure, smoking and alcohol can dehydrate the lips fast.

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- **Lip Care**

- **Cosmetics**

- **Preventions and Protections**

- ✓ Living for healthy lips
    - ✓ Apply lip balm regularly-the best prevention and protection for dry lips is a moisturizing lip balm, preferable one that provides sun protection.

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- **Lip Care**
  - **Cosmetics**
  - **Preventions and Protections**
  - **Treatments-** Once we have developed a chapped and cracked lips, use lip balm in a gel or ointment form with extra emollients and local anesthetics; it helps ease the pain while recovering.

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- **Lip Balm Formulation/Technology-** A typical formula with ingredients grouped by their functions.

Ingredients:	Functions:
Avobenzene 2.0%, Octocrylene 10.0%, Oxybenzone 6.0%	Sunscreen
Petrolatum, Polyethylene, Microcrystalline Wax, Theobroma Cacao (Cocoa) Seed Butter, Silica	Base/Structuring Agents
Ethylhexyl Palmitate, Trimethylsiloxyphehyl Dimethicone, Isopropyl Myristate, PEG-8, Aloe Barbadensis Leaf Extract, Caprylyl Glycol	Skin Conditionings /Emollients /Humectants
Tocopheryl Acetate, Ascorbic Acid, Retinyl Palmitate	Antioxidants/ Vitamins
Sodium Saccharin, Flavor	Sweetening /flavor
Propylparaben, Butylparaben	Preservatives

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- Lip Balm Formulation/Technology

The first group is the active ingredients.

Ingredients:	Functions:
Avobenzone 2.0%, Octocrylene 10.0%, Oxybenzone 6.0%	Sunscreen-follows the FDA monograph and labeling requirement.

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- Lip Balm Formulation/Technology

The second group is important for building the physical form of the product.

Ingredients:	Functions:
Avobenzone 2.0%, Octocrylene 10.0%, Oxybenzone 6.0%	Sunscreen
<b>Petrolatum, Polyethylene, Microcrystalline Wax, Theobroma Cacao (Cocoa) Seed Butter, Silica</b>	<b>Base/Structuring Agents</b> – give the primary physical properties of the product, i.e. hardness, M.P., etc.

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- Lip Balm Formulation/Technology

The third group also contributes to the physical form and balancing the hardness of the product.

Ingredients:	Functions:
Avobenzene 2.0%, Octocrylene 10.0%, Oxybenzone 6.0%	Sunscreen
Petrolatum, Polyethylene, Microcrystalline Wax, Theobroma Cacao (Cocoa) Seed Butter, Silica	Base/Structuring Agents
<b>Ethylhexyl Palmitate, Trimethylsiloxyphe nyl Dimethicone, Isopropyl Myristate, PEG-8, Aloe Barbadensis Leaf Extract, Caprylyl Glycol</b>	<b>Skin Conditionings /Emollients /Humectants – contributes to the softness and smoothness feels.</b>

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- Lip Balm Formulation/Technology

These three groups are the other ingredients that balance the formula

Ingredients:	Functions:
Tocopheryl Acetate, Ascorbic Acid, Retinyl Palmitate	Antioxidants/ Vitamins
Sodium Saccharin, Flavor	Sweetening /flavor
Propylparaben, Butylparaben	Preservatives

Not used in this formula are local anesthetics, because it is not permissible in combination with sunscreen

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- Lip Balm Formulation/Technology

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<b><u>Petrolatum</u></b> , Polyethylene, Microcrystalline Wax, Theobroma Cacao (Cocoa) Seed Butter, Silica	Base/Structuring Agents
Ethylhexyl Palmitate, Trimethylsiloxyphenyl Dimethicone, Isopropyl Myristate, PEG-8, Aloe Barbadensis Leaf Extract, <b><u>Caprylyl Glycol</u></b>	Skin Conditionings /Emollients /Humectants
Tocopheryl Acetate, Ascorbic Acid, Retinyl Palmitate	Antioxidants/ Vitamins
Sodium Saccharin, Flavor	Sweetening /flavor
Propylparaben, Butylparaben	Preservatives

Some of these chemicals serve more than one function in the formula. i.e. Petrolatum is also a monograph skin protector, but not making claim in this formula. Caprylyl Glycol also contributes anti-micro activities with the parabens.

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- Lip Balm Formulation/Technology

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Consider adding other “cosmetic active ingredients” to expand marketing position, e.g. Q10. Pay attention to the solubility, compatibility and stability of new ingredients.

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### Conclusion:

**Different to facial skin, the lip skin is more delicate and very sensitive to the outside environment. A routinely protection with moisturizing lip care products helps in maintaining our lips a healthy look and feeling of well being.**

