Eddy the Enzyme™
"The Desquamation Process"

That's Eddy eating corneodesmosomes when I have the right amount of water and the pH is just right. It's actually syrup and those are pancakes but they are suppose to represent skin cells in the stratum corneum. Not to many left which means a brighter complexion and a more youthful glow.

How the skin functions is a very complicated subject. In fact, so complicated that some of its functions to this day are still not fully understood. Take for example the desquamation process: this process, which has many parts, is very well understood but yet still is not 100% documented.

At Skin Care Science we feel it is much more important to stick with the simple methods to teach or explain and or travel the shortest path to a subjects understanding. Thus leaving the overly complicated parts to those who have more time and well, to put it bluntly...who care.

Lets allow Eddy to explain in simple terms...

Hi, I'm Eddy, and my name is short for stratum corneum chymotryptic enzyme (SCCE), stratum corneum tryptic enzyme (SCTE), stratum corneum thiol protese (SCTP), cathepsin E, and the aspartic protese cathepsin D.

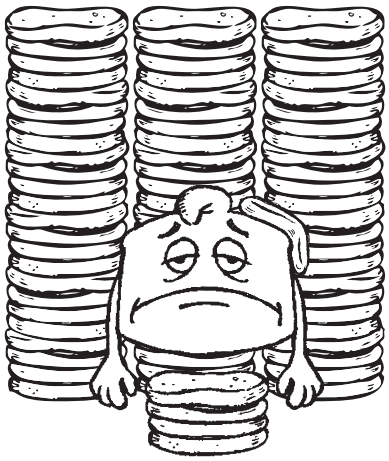
Wow, that's long...Let me be honest and tell you that I am not all those combined, just SCTE, but can you believe that all those enzymes are somehow or another related to the desquamation process? I'll bet you have never even heard of them. To tell you the truth I never had either until I was hired by Skin Care Science to play the role of Eddy. The pay is lousy...shhhh, but it's an interesting acting gig and I am hoping it will lead to larger roles within the heart or brain where the money is much better. Sorry off track...

All of these enzymes allow for a magical dance to occur so that our skin can properly do its job. What I have been taught is that the main enzyme responsible for breaking down the sticky tape (desmosome or within the stratum corneum they are called corneodesmosomes) that holds your skin cells together is called stratum corneum tryptic enzyme or SCTE for short. That's the character I am playing.

Now here is the kicker! If the pH of your skin goes to high and becomes alkaline or the water content of the stratum corneum drops too low then the process of desquamation grinds to a halt, skin cells stack up and your skin suddenly looks dull and lifeless.

Amazing it is that simple, huh?

What is even more important is that what you eat and the quantity of water you drink plays a very important role in keeping this enzymatic process humming along. So watch what you eat and remember to drink that water...Your beauty depends on it.



This is me when you are dehydrated and your diet is full of sugars and other bad stuff. You know things like McDonald's® french fries, ya I have had one, I know...They are amazing. But look at all those skin cells and I am just pooped and have zero energy. See that pancake (skin cell) on my head? Took 5 throws to make it stick there and look how many there are behind me. That means dull and tired skin for you.