NOVA™ Skin Conditioning Packages

Additional information and benefits of our NOVA™ skin conditioning products. This applies to the Blue and Soft (no pigment) versions of the product.

EMOLLIENTS

In past research, conducted by Dr. Leo Timms / Iowa State University on teat conditioning, it was determined that the combination of the two emollients (identified below) worked synergistically together vs. by themselves. We adopted this into our conditioning product package. Our components of choice are **Glycerin,** which in our formulated amount, does not pose a reaction problem within the NOVA POST RTU / chlorine dioxide formulations and our second emollient is **Propylene Glycol** – two compatible, blockbuster ingredients. This is blended to the ratio that Dr. Timms determined was optimal during his skin conditioning research.

SEALING AGENTS

Sealing agents are added as a solution thickening agent. They improve the feel of the product and and create a barrier **seal the teat streak canal** in a prophylactic / sealing manner. The hydrotropic additives **keep everything in solution** and allow it to mix faster when added to your germicidal mixture.

PARABENS

The parabens **prohibit bacterial growth** within the formula. Without these agents there is a good chance of bacterial growth within an added emollient package. We also formulate applicable **preservatives** that allow the solution to be **consistent and stable over a longer period and do not degrade.**

In addition to the listed benefits of the NOVA™ conditioner package, it is also important to understand the Activator that is normally used in competitive ClO_2 teat dip formulations. Most, if not all other companies use lactic acid as an activator. It tends to have an exfoliation effect and requires higher levels of conditioners to balance out the formulas. NOVA™ ACTIV is a gentler, activator / skin conditioning agent that does not cause exfoliation and results in less emollients / conditioning agents required overall to maintain ideal teat condition.

Most of our existing customer base is using a 2% conditioning package for post dip, When NOVA™ ACTIV and NOVA™ BASE are mixed in the NOVA™ SMART System, or as instructed manually, we consistently achieve the highest ORP (mV) levels in the industry.

For more information, call Acepsis™ or your local representative. Follow us on www. acepsis.com.

ACEPSIS™, LLC is an animal health based company that is focused on the development of state-of-the-art animal hygiene technologies. Our Company's mission is to apply innovative animal hygiene technologies into the agricultural and veterinary market sectors.

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