

Appendix F

Product Ingredients

COVERT CONTROL HOLDING SPRAY

Ingredients

SD Alcohol 40 - used to keep the resin blend in a liquid state until it is in place. The alcohol quickly evaporates and does not alter the pH of the hair in the process. When used in this manner it is not drying to the hair (a popular misconception).

Isobutane - the principal propellant . . . the thing that makes an aerosol an aerosol. It moves the contents from inside the container onto the hair. This is one of the new safe propellants. It is an element of natural gas.

Hydrofluorocarbon 152a - another non-VOC propellant. It gives hair spray the drying time stylists are accustomed to and it's better for our air. It costs more than the old propellants and more than the water/Dimethyl Ether systems that you see in the supermarket, but the performance is much superior.

Octylacrylamide/Acrylates/Butylaminoethyl Methacrylate Copolymer - can you imagine what chemists name their children? - this is nothing more than our resin blend . . . to hold the hair in place.

Aminomethyl Propanol - the emulsifying agent. This ingredient helps keep all the other ingredients mixed together.

Dimethicone Copolyol - keeps the resins flexible and soft on the hair shaft.

Phenyl Trimethicone - this is a very light oil used to keep our resin blend flexible once it is on the hair.

Triethyl Citrate - better known as citric acid. It works in our formula as a solvent and assists in keeping the resins soft.

Lauramide DEA - from vegetable oils, this common constituent of shampoo is also used to keep the resins soft and to hold the formulation in solution.

AMP Isostearoyl Hydrolyzed Wheat Protein - works both as a conditioner and to add extra body to the hair in a very natural way.

Fragrance - TRI's special "fugitive" fragrance. A sophisticated citric note with the ability to quickly disappear after application.



Figure F-1 A list of ingredients for an aerosol hairspray.

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TRI LIGHTS

Ingredients

Cyclomethicone - a silicone fluid oil from silica which is found abundantly in nature. It is a wonderful lubricant that effectively holds moisture within the hair. Cyclomethicone along with Dimethicone below, are the elements responsible for the shine. While they look like oils they don't feel greasy.

Isopropyl Palmitate - part of the shine package, this oil clings to the hair helping to hold the shine there. It comes from natural fats found in plants.

Dimethicone - the shine. Another good feature of Dimethicone and Cyclomethicone is low toxicity; they are almost never found to cause irritations or allergic reactions (unlike so many other ingredients in nature).

Octyl Methoxycinnamate - aren't you glad your mother didn't decide this would be a cute name. Actually, it is an acid found in cinnamon leaves that provides sunscreen protection for the hair. Researchers are questioning the value of sunscreens on hair, but until the final results are in, they can't hurt.

Propyl Paraben - an oil phase preservative commonly used because of its effectiveness against a very wide range of bacteria.

Technical Specifications

pH.....none since there is no water in the product..

Available Sizes:

Net Weight.....1 oz. (30 ML.)

- Biodegradable.
- Ingredients are derived from natural sources wherever possible.
- No animal ingredients were used in Tri Lights.
- No animal testing was used in the development of the product.

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Figure F-2 A list of ingredients for a silicone conditioner.

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GEL SPRAY

Ingredients

Water – purified and deionized, this is great water although you wouldn't like the taste without some mineral content. The CTFA recommends that ethical manufacturers only list it as "water", and that's precisely what we do.

Polyquaternium-10 – an antibacterial and conditioning agent. It does add some body while protecting the condition of the hair. It fights the growth of any bacteria that finds its way into the product.

PVP – The hold in Gel Spray. A resin similar to egg white. The film it forms adheres to the hair shaft.

Polysorbate-20 – an emulsifier commonly used in baby lotions. Used to stabilize oils in water - to make them mix.

Aloe Vera Extract – the untreated, "free run" juice of the aloe leaf. Its amino acids are part of the body building and conditioning package in this product.

Lemongrass Extract – an oil distilled from the leaves. (It tastes wonderful in Vietnamese food.) It is usually found in perfumes in the personal care industry, it acts as a carrier to fragrances.

Whole Wheat Protein – the premier conditioning factor in Gel Spray. It improves the body and shine of the hair.

Calendula Extract – from the floret of what is also called the marigold is derived this natural oil. The oil contains some natural resins which add to our body building package.

Balm Mint Extract – comes from a small evergreen tree. It is a very old cosmetic ingredient used to enhance body in the hair.

Carbomer-980 – an emulsifying and thickening agent. This is the gel in Gel Spray.

Triethanolamine – a moisture absorber used in making emulsions.

Methylparaben – a water phase preservative to prevent the growth of bacteria. It's approved for use in food.

Quaternium-15 – another part of the preservative package. It's antiseptic and germicide qualities make it widely used in the personal care industry.

Fragrance – smells very similar to another product in the TRI line, guess which one.

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Figure F-3 A list of ingredients for a spray hair gel.

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EXPRESS CONDITIONING DETANGLER

Ingredients

Water - the water in this product is wonderfully pure and clean. From a laboratory standpoint it is perfect. Lots of our competitors would attempt to disguise its first place position by floating herbs in it, calling it an herbal extract. We follow the suggestions of the CTFA, so on our label we call it – water.

Hydrolyzed Soy Protein - a vegetable protein from the versatile little soybean. Soy protein makes the hair more manageable. It has another plus – it's a moisturizer.

Polyquaternium-11 - an antibacterial and conditioning agent. It does add some body while protecting the condition of the hair.

Amodimethicone - a silicone fluid oil which is found abundantly in nature. It is a wonderful lubricant that effectively holds moisture within the hair. While amodimethicone looks like an oil it doesn't feel like one; it's not greasy.

Panthenol - an old friend in the hair care business. There are entire product lines based on this one ingredient. It is a member of the B-vitamin complex. Panthenol helps give the appearance of added body by swelling the hair shaft.

Hydrolyzed Keratin Protein - the stuff hair is made of. It naturally contains cystine, which as you know from Whole Wheat Shampoo Treatment, covalently bonds to the hair giving very long lasting conditioning effects.

Cocodimonium Hydroxypropyl Hydrolyzed Soy Protein - you thought we made a mistake and listed this ingredient twice. This is another form of soy protein. It is quite substantive in human hair and improves its condition. It links to damaged hair sites with an ionic bond.

Octyl Menthoxy-cinnamate - since Express Conditioning Detangler stays in the hair, we added a sunscreen. This one is found in cinnamon bark and hyacinth flower.

Biotin - another member of the B vitamin complex. In hair care products it is used to improve the texture of the product, it makes it creamier.

Chamomile Extract - from genuine German Chamomile. This herbal extract contains a volatile oil that has anti-inflammatory properties. Folk remedies have long called for its use in scalp problems.

Jojoba Oil - TRI was the first major manufacturer to use Jojoba oil in a hair care product many years ago, now Jojoba oil is a familiar hair care ingredient. We added it in this formula because of its extremely low melting point. It doesn't feel oily on the hair, but it helps to detangle and condition the hair.

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Figure F-4 A list of ingredients for a leave-in conditioner.

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WHOLE WHEAT CONDITIONING RINSE

Ingredients

Water - purified and deionized, this is great water, but it is just that - water. The CTFA suggests that ethical manufacturers only list it as "water" on all labels. That is exactly what we do.

Glyceryl Stearate - used in this formulation, it functions as a humectant, and emollient. This is the first of several conditioning elements you will see in this product. An interesting side note about Glyceryl Stearate is that it is frequently used on pasta and cereals to alter the texture and appearance. So, it is recognized as safe for consumption by the FDA.

Cetyl Alcohol - this one always confuses beginning label readers. When we think of alcohol we think of it as a liquid and we either drink it or use it to clean things with. At the time that cetyl alcohol goes into this product, it is a cream-colored, odorless flake. It is used as an emollient or another conditioning element. It gives a velvety feel to the skin and hair.

Hydrolyzed Wheat Protein - the premier conditioning factor in this rinse. It has been shown to covalently bond to the hair, providing some permanent conditioning effects. It improves the body and shine of the hair. We think it gives terrific manageability.

Panthenol - this is part of the water-soluble vitamin B complex. Panthenol is incorporated into this formulation to help give the hair the appearance of added body. Panthenol swells the hair shaft almost 10 times more than water does, and the effects last through several combings.

Birch Bark Extract - as an herbal medicine, it was used for years to heal sores externally. Today, it has found a place as a natural shine enhancer.

Cetrimonium Chloride - a conditioner used because of its antistatic properties.

Olive Oil - considered by chemists to be "the standard" for emollience. Olive oil is super stable and is a wonderful lubricant for hair care products.

Phenoxyethanol - a bacteria killer.

Methyl Paraben - a preservative used in foods, beverages, and hair care products. Methyl paraben is an important antioxidant.

Fragrance - a light, slightly citrus note that vanishes in the hair.

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Figure F-5 *A list of ingredients for a conditioner.*

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WHOLE WHEAT SHAMPOO TREATMENT

Ingredients

Water - the water in this shampoo is purified and deionized, but we follow the labeling suggestions of the CTFA, so on our label it is just called - water.

Cocamide DEA - the main cleansing agent in our surfactant blend. It is derived from coconut oil. It is known for its gentle cleansing properties.

Cocamidopropyl Betaine - another portion of the surfactant blend. It also comes from coconut fatty acids. It has good conditioning and softening abilities.

Sodium Laureth Sulfate - this is a very mild, yet effective cleansing ingredient. In this particular blend of cleansing agents, it provides the rich sudsing.

Sodium C14-16 Olefin Sulfonate - yet another portion of our surfactant blend. This one is widely used in the industry; it's thought of as the "workhorse" of cleansing agents. A good, effective cleanser.

PVP - a body building agent. Gives hair the look and feel of increased volume.

Hydrolyzed Whole Wheat Protein - the prime conditioning element in this shampoo. Research suggests that the conditioning effects from this ingredient can be permanent.

Echinacea Extract - from the Purple Cone Flower comes this interesting herbal extract. It was used by American Indians to treat wounds and later by pharmacologists to treat eczema.

Chamomile Extract - from genuine German Chamomile. This herbal extract contains a volatile oil that has anti-inflammatory properties. Folk remedies have long called for its use in scalp and various skin conditions.

Wheat Germamidopropyl Betaine - from the heart of the wheat kernel - the "germ", comes this last portion of our surfactant blend. This particular one helps to modify the viscosity of the total product while naturally stabilizing foam.

Fragrance - following the TRI fragrance philosophy of light, fugitive fragrances, this one is present in such small quantities that it is hard to put your finger on. It has a bright, clean bouquet with a slightly sweet finish.

Grapefruit Seed Extract - a natural antiseptic and antibacterial agent from those little seeds you have always been careful not to eat.

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Figure F-6 A list of ingredients for a shampoo.

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