Category: Hair Color

**LF1-145: Brown Root Touch-Up Stick**

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| --- | --- | --- | --- |
| Ingredient | INCI | Supplier | W/W% |
| Phase A (aqueous) |  |  |  |
| Nulastic Slip D99-9 | Isononyl Isononanoate (and) Bis-Vinyldimethicone/PEG 10 Dimethicone Crosspolymer | Alzo International | 34.2 |
| Glycerin | Glycerin | Alzo International | 9.8 |
| DI Water | Water | -- | 9.1 |
| FDC Yellow 5 | Yellow 5 |  | 0.7 |
| Nipagard SCF | Caprylyl Glycol (and) Phenoxyethanol | Clariant | 0.5 |
| Phase B (waxes) |  |  |  |
| Dermol DGDIS | Polyglyceryl 2-Diisostearate | Alzo International | 5.9 |
| Polyderm PPI-CO-200 | PEG-200 Hydrogenated Castor Oil/IPDI Copolymer | Alzo International | 9.8 |
| Dermowax BB | Behenyl Behenate | Alzo International | 5.9 |
| Performacol 350 | C20-40 Alcohols | New Phase | 7.8 |
| SP 88 | Microcrystalline Wax | Strahl & Pitsch | 3 |
| SP 1026 | Ozokerite Wax | Strahl & Pitsch | 3 |
| Phase C (colorants) |  |  |  |
| INBP75EBR  (Brown) | Iron oxides (and) Isononyl Isononanoate (and) Isopropyl Myistate (and) Stearalkonium Hectorite (and) Polyhydroysstearic Acid (and) Isopropyl Titanium Triisostearate (and) Propylene Carbonate | Kobo | 5.9 |
| INBP75EB  (Black) | Iron oxides (and) Isononyl Isononanoate (and) Isopropyl Myistate (and) Stearalkonium Hectorite (and) Polyhydroysstearic Acid (and) Isopropyl Titanium Triisostearate (and) Propylene Carbonate | Kobo | 2.2 |
| Polyderm PPI-CO-40 | PEG-40 Hydrogenated Castor Oil/IPDI Copolymer | Alzo International | 4.9 |
|  |  |  |  |
| Total |  |  | **100.0** |

**Manufacturing Procedure**:

1. In a beaker add the NuLastic elastomer and mix with a propeller blade.
2. Dissolve the colorant & preservative in the water, then gradually add into the gel. Once incorporated, heat to 75-80° C.
3. Mix and melt ingredients in Phase B and heat to 75-80⁰ C. Once melted, premix Phase C, add to Phase B and mix until homogenous.
4. Add Phase A to waxes with mixing until homogeneous. Fill into mold at 75-80⁰ C and chill.

**Alzo Ingredient Benefits**:

**Dermol DGDIS –** Good pigment-wetting ester that imparts gloss, and substantivity to the lips. Improves deposit of pigments onto hair or eyelashes.

**Dermowax BB –** waxy ester that adds structure & payoff to the formula and provides substantivity to lips, skin and hair. MP: 70° C

**NuLastic Slip D99-9** – Silicone elastomer with PEG crosslinking that allows incorporation of water & water compatible ingredients, such as glycerin.

**Polyderm PPI-CO-200 –** water-soluble polymer derived from Castor Oil, which provides lubricity and slip to both skin and hair products.