Category: Skincare – Cleansing

**AG1-103: Dermol SLLC Hand Sanitizer Gel**

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| --- | --- | --- | --- |
| Ingredient | INCI | Supplier | W/W% |
| DI Water | Water | -- | 33.994 |
| Natrosol 250 HHR | Hydroxyethylcellulose | Ashland | 1 |
| SDA 40B 200 | Alcohol Denat. | Pride Solvents & Chemicals  | 60 |
| NaOH, 25% | Sodium Hydroxide | Alzo International | 0.006 |
| Dermol SLLC-L | **Sodium Lauroyl Lactylate** | **Alzo International** | **5** |
|  |  |  |  |
| Total |   |   | **100.000** |

**Manufacturing Procedure**:

1. In a beaker, add water. Under mixing slowly add HEC and ensure that no clumps form. Mix for 5 minutes or until dispersion is uniform.
2. Add about 1/3 of ethanol to water/HEC and mix for 5 minutes or until dispersion is uniform.
3. Add NaOH and mix until smooth gel is formed, increasing mixing speed as the formula thickens.
4. Once gel is smooth, incrementally add the remaining ethanol, making sure that the gel is smooth and homogenous before adding more.
5. Once all the ethanol is added and gel is smooth, add Dermol SLLC-L and mix until batch is uniform and clear.

**Alzo Ingredient Benefits**:

**Dermol SLLC-L** -100% biodegradable & naturally derived surfactant that helps forms rich and long-lasting foam. Very mild and non-drying, with antimicrobial properties. Oil- and alcohol-soluble, it improves rinseability of anhydrous makeup removers and reduces the drying feel of alcohol-based hand sanitizers.