



Product Formulation

Surface Disinfecting Spray

PHC-PF-23-148

Effective sanitation power that contains amine oxides and ammonium chlorides; this simple formulation can be sprayed on any non-porous surface and is guaranteed to reduce pathogenic microbes.

| Phase | Ingredient | INCI | Function | % |
|-----------|------------------------|------------------------------|------------------------------------|---------------|
| A1 | Water | Aqua | Diluent | 78.70 |
| A2 | EDTA | Tetrasodium EDTA | Chelating Agent | 1.00 |
| A3 | Laureth-10 | Laureth-10 | Surfactant | 5.00 |
| A4 | Sufrasoft AO200 | Lauramine Oxide | Co-Surfactant | 15.00 |
| A5 | Sufraquat BK50 | Benzalkonium Chloride | Preservative, Antimicrobial | 0.20 |
| A6 | Fragrance | | Fragrance | 0.10 |
| A7 | Citric Acid, 20% | Citric Acid, 20% | pH modifier | q.s. |
| A8 | Colorant | | | q.s. |
| | TOTAL | | | 100.00 |

Formulation Benefits

- ✓ Chlorine-free formulation
- ✓ Quick-drying and streak-free
- ✓ Natural yet effective
- ✓ For all types of surfaces

Key Ingredients

Sufrasoft AO200

- ✓ Foam-boosting
- ✓ Foam stabilizing
- ✓ Biodegradable and non-hazardous
- ✓ ISO 16128: 75%

Sufraquat BK50

- ✓ Broad-spectrum disinfectant
- ✓ Potent against bacteria, viruses and fungi
- ✓ ISO 16128: 73%

All data, formulations and information provided herein have not been comprehensively tested and are not represented as suitable for any particular uses. Statement concerning possible or suggested uses made herein may not be relied upon or be construed as a guaranty of no patent infringement. Users have the sole responsibility and obligation for making preliminary tests to determine the suitability of the sample formulations described herein for any application, to make tests before use in any specific applications, and to confirm the performance, efficacy, safety and regulatory compliance of such products for their particular use.

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Procedure

- 1 In an appropriately-sized mixing vessel, add each ingredient in the specified order while mixing at appropriate speed. Endpoint should be a clear solution.
 - 2 Check initial pH. Adjust pH accordingly (9.5 – 10.5) using citric acid solution.
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Specification

| | |
|------------|--------------|
| Appearance | Clear liquid |
| pH | 9.89 |

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