

Name LOW pH, HYDROGEN PEROXIDE-BASED LIQUID LAUNDRY CLEANING BOOSTER

No. 1146

Description A polymer thickened, hydrogen peroxide-based booster formula that is effective on bleachable

stains.

Formulation INGREDIENTS: % by Weight Functionality

BIO-SOFT® EC-690 4.50 Surfactant Hydrogen Peroxide (35% solution) 14.29 Bleach Polymeric Thickener q.s. Thickener Deionized Water, Fragrance, Colorant q.s. to 100 Additives

Total 100.00

Procedure

1. Add 140°F (60°C) water.

2. Slowly add Polymeric Thickener with mixing.

3. Add Hydrogen Peroxide with mixing.

4. Add diluted Sodium Hydroxide until pH is close to 4.0.

5. Add BIO-SOFT® EC-690 with mixing.

6. Once batch has cooled to 90°F (32°Č) or below, add Preservative, Colorant, and Fragrance with

mixing.

7. Run final pH check. If pH is below 3.5, adjust into target range with dilute Sodium Hydroxide. If

pH is above 4.5, adjust into target range with dilute Hydrochloric Acid.

Physical Appearance at 25°C Clear liquid

Properties pH, as is 3.5–4.5 (Target 4.0)

Viscosity at 25°C, cps 1,000

Storage/ 3 Freeze/Thaw Cycles Pass
Stability 4 Weeks at 5°C Pass

4 Weeks at 5°C Pass
4 Weeks at Room Temperature Pass

4 Weeks at 40°C Pass

Instructions for Use

33 loads/45 fl. oz. bottle = 1.36 Fl. oz/load

External Comment

Marketing Notes: BIO-SOFT® EC-690 is an approved ingredient on www.cleangredients.org. For

further information, visit www.cleangredients.org or www.stepan.com.

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For Additional For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or 011-334-76-505-100 (Europe).

For ordering assistance, call our Account Service Department at 1-800-457-7673.

## Assistance

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