

# D-169

# LAUNDRY AID

## With active oxygen

### GUIDELINE FORMULARY

#### DESCRIPTION

Liquid laundry booster based on active oxygen  
Effective at removing tough stains  
Contains Hydrogen Peroxide (H<sub>2</sub>O<sub>2</sub>)

#### COMPOSITION

	%
EMAL® 270	5.4
LEVENOL® F-200	3.2
Hydrogen Peroxyde (H <sub>2</sub> O <sub>2</sub> , 50% solution)	9.4
Citric Acid (50% solution)	q.s. (0.4% approx. Adjust pH=5.0)
Sodium Hydroxyde (50% solution)	q.s. (0.3% approx. Adjust pH=5.0)
Sodium Phosphonate <sup>(2)</sup>	0.25
Xanthan Gum	0.25
KAO Perfume	0.3
Preservative	0.1
Deionized water	Up to 100

(1) 5.4% of EMAL® 270D (SLES at 70% a.m.) can be replaced by 14% of EMAL® 227E (SLES at 27% a.

(2) Phosphonate: Diethylenetriamine pentamethylene phosphonic acid, Sodium salt.

#### TECHNICAL CHARACTERISTICS

#### Kao Method

APPEARANCE (20°C):	Hazy viscous liquid	KCSA-258
pH (as it is):	4.5 - 5.0	KCSA-014
VISCOSITY BROOKFIELD (20°C,cP):	200-250	KCSA-227
SURFACTANT ACTIVE CONTENT (%):	Approx. 7	KCSA-246
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

## RECOMMENDED OPERATIVE METHOD

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Add EMAL® 270D and Sodium Phosphonate to the water.

Adjust pH with Citric Acid.

Continue with the addition of LEVENOL® F-200.

Add Hydrogen Peroxyde.

Continue with the addition of the other additives: preservatives, fragrance, dye(s) (diluted in water), following the supplier's recommendations.

Add Xanthan Gum.

Adjust pH with Sodium Hydroxide to 4.5 – 5.0.

## RECOMMENDED USAGE

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**PRE-TREAT** Pour the 2ml formula directly onto the stain and rub gently. After maximum 10 min contact, wash as usual or rinse thoroughly.

**SOAK** Pour 100ml formula onto the stain, rub gently and then soak in water. Then wash as usual or rinse thoroughly.

**WASH** Add with your detergent (between 50 - 100ml depending on the stains).

## COMPONENTS

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**LEVENOL® F-200** (Glycereth-6 Cocoate, ≈ 100% a.m.): non-ionic character. Mild surfactant with detergent power performance similar or even better than standard non-ionic surfactants. Medium foaming and good hydrotropic & wetting properties that allow the reduction of solvents. Eco-toxicologically friendly. It doesn't need any risk sentences or warnings on its label.

The information and recommendations in this publication are to the best of our knowledge reliable. However, nothing herein is to be construed as a warranty or representation. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purpose.

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