



**Zemea<sup>®\*</sup> the Natural Choice...**  
**Purity and Renewable Performance**

**Zemea<sup>®</sup>**  
renewably sourced™ propanediol

## Liquid Automatic Dishwashing Detergent

INGREDIENT	WT, %
Water	54.30%
Citric Acid	5.93%
<b>Zemea<sup>®</sup> Propanediol</b>	<b>6.92%</b>
Carbopol™ 934	2.18%
NaOH (50%)	5.74%
Sodium Borate	0.99%
Sodium Citrate	3.96%
Sodium Formate	1.98%
CaCl	0.10%
Sodium Xylene Sulfanate (40%)	4.95%
EO/PO Block Copolymer	1.98%
Sodium Polyacrylate Mn1200 (45%)	9.89%
Protease	0.69%
Amylase	0.20%
Lemon Essential Oil	0.20%

## Procedure

- Combine and stir H<sub>2</sub>O, Citric Acid & **Zemea<sup>®</sup>**
- Add Carbopol™
- Stir until dissolved
- Slowly add NaOH
- Add remaining ingredients



## Benefits of Zemea<sup>®</sup> Propanediol in Liquid Automatic Dishwashing Detergents

- Very Good Stability
- Corn Sugar-Derived Glycol
- Very Good Enzyme Stability
- Environmentally Sustainable
- Readily Biodegradable

### For additional information or samples, please contact:

DuPont Tate & Lyle Bio Products Customer Service

In the US, Canada, or Mexico: 1-866-404-7933

Other Countries: ++001-217-421-3443

On the web: [www.duponttateandlyle.com](http://www.duponttateandlyle.com)



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