

# GLASS CLEANER, ANTI-FOGGING

## CSL\_02-05-16

|                       |   |
|-----------------------|---|
| <b>Type:</b>          | Glass and window cleaner with anti-fog effect |
| <b>Appearance:</b>    | Clear, colourless liquid                      |
| <b>Active matter:</b> | Approx. 7 %                                   |
| <b>pH (10 %):</b>     | Approx. 7                                     |
| <b>Flash point:</b>   | 50 °C (Grabner)                               |

### Formulation:

| Ingredients                   | Description                                      | Function   | Concentration |
|-------------------------------|--|--|---------------|
| Water                         |  |  | 92.25 %       |
| Isopropanol                   | Solvent  | Enhances cleaning performance                      | 5.00 %        |
| <b>ZETESOL TP 300</b>         | Triisopropanolammonium laureth sulfate           | Cleaning and solubilising                          | 1.00 %        |
| <b>TRIUMPHNETZER ZSG</b>      | Sulfosuccinic acid diisooctyl ester, sodium salt | Rapid wetting agent, provides anti-fogging effect  | 0.50 %        |
| <b>SYNTRAN® 1560E</b>         | Acrylic copolymer                                | Prevents streaks and optimises anti-fogging effect | 1.25 %        |
| Perfume, dye and preservative |  |  | q. s.         |

### Manufacturing process:

- ▶ Dissolve ZETESOL TP 300 and TRIUMPHNETZER ZSG in isopropanol.
- ▶ Then add deionised water and stir to homogeneity.
- ▶ Finally, add SYNTRAN® 1560E and mix well.

### Application:

For manual cleaning of windows, mirrors, glass surfaces, window frames and other water-resistant hard surfaces. Spray the undiluted cleaner onto the surface, e.g. with a spray nozzle, then wipe with a dry cloth. An invisible layer of surfactants remains on the surface and provides the anti-fogging effect. SYNTRAN® 1560E helps to prevent streaks.

The above results have been obtained from trials in our laboratory and plant. In the light of changing conditions, they can serve only as a guide, and are therefore offered without obligation. We ask that the possible rights of third parties are observed. Existing laws and regulations must be observed, particularly in regard to manufacture, placing on the market, handling and application of the product formulated according to this guide formulation!