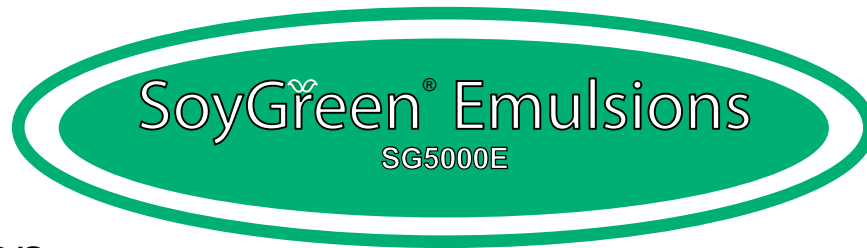


# Mixing Instructions



## Description

SoyGreen® SG5000 is a soy-based solvent ideal for paint removal, parts washing, and heavy-duty degreasing. SG5000 is RTU and should not be diluted. SG5000E is the emulsion version of that blend, and is formulated to be diluted for a variety of applications such as light paint removal, ink cleanup, power degreaser, and more. SG5000E is also perfect for mixing stations. SoyGreen® solvents and emulsions are completely environmentally safe by any definition – low VOC's\*, bio-based, readily biodegradable, and non-flammable, and are the perfect replacement for caustics, butyls, d-limonene, and other 'standard' cleaner chemistries.

SG5000E is a concentrate with no water, while the designation of SG5000E-20 consists of 20% concentrate and 80% water (1:4 ratio or 20%). The emulsion is a water-to-oil emulsion and must be mixed per instructions below. A thickener is also available for increased viscosity if desired.

## Mixing Instructions

SoyGreen® emulsions are "water-in-oil" chemistry, meaning to create a stable emulsion, it is important to pour water into the solvent blend and mix per the instructions below, as opposed to pouring the concentrate into water. Mixing instructions vary depending on the amount to be mixed.

Larger Quantities (mixing tank or volume greater than 2-3 gallons):

- 1) Container or mixing tank should have mixing blade capable of moderate speeds (500 – 1,000 rpm).
- 2) Pour desired amount of SG5000E into tank and begin mixing.
- 3) Add water slowly. Blend will start out very thick (> 2,000 cps) for a short period of time and thin out quickly.
- 4) Continue mixing for 10 minutes after all desired water is added. Mixture should be a consistent white liquid.

Smaller Quantities (dilution station or individual bottles):

- 1) Pour desired amount of SG5000E into bottle.
- 2) Add water.
- 3) Shake bottle or mix for 30 seconds to 1 minute.

Dilutions:

Typical dilution ranges vary depending on applications, but a very effective Power Degreaser is SG5000E-16, meaning SG5000E is diluted 1:5 (one part solvent to 5 parts water).

## Technical Data (After Dilution)

<b>Type:</b>	(Water Based) Emulsion	<b>Flash Point:</b>	n/a to boiling point
<b>Appearance:</b>	White Emulsion (after diluted)	<b>High Sheer Viscosity:</b>	100 - 300 cps
<b>Scent:</b>	Mild	<b>Low Sheer Viscosity:</b>	Not Determined
<b>pH @ 1&amp; solution:</b>	4.0 - 6.0	<b>Specific Gravity:</b>	0.983 - 0.995
<b>Freeze Point:</b>	32° F	<b>VOC Percentage:</b>	< 1% (Diluted)

