



## ELIQUID DIY TIPS

First off there are two methods to mixing, by volume or by weight. Both methods have their intrinsic pros and cons and it is up to you to decide which method best suits your needs. But remember, having the **correct information** is key to successful mixing

- Volume mixing is based on using volume or milliliters of the various liquids to create your ejuice
- Weight mixing is based on the weights, or specific gravities, of the various liquids to create your ejuice

What is this “specific gravity” or SG for short? Specific gravity is a comparison of a liquid’s weight to the weight of pure water. Specific gravity is a dimensionless but units can be added by looking at the density of a fluid and the density of water is 1g/mL or grams per milliliter. Therefore, every flavor has its own specific gravity and that specific gravity is used for those who mix by weight

VG/PG ratios vary based on personal preference and vary greatly amongst vapors. From 100%, 70%/30%, 80%/20%, 50%/50%, and to others, these are just a sample of the many ratios that can exist in ejuices based on taste so do not be discouraged to adjust your ejuice to fit your taste

Nicotine solutions can come in a variety of blends based on your preference and what the manufacturers sell. 100%VG, 100%PG and 50%/50% are the three blend types Nicotine River sells for eliquid nicotine. Your next question maybe “what does this “100%” stuff mean?” Simply, 100%, in regards to nicotine, means that your nicotine solution only has nicotine and either Vegetable Glycerin or Propylene Glycol. 50%/50% and others of the like indicate that your nicotine solutions are mixed with vegetable glycerin and propylene glycol but at different ratios. Additionally, the standard convention is to indicate VG then PG when referring to a 50/50, 70/30, 80/20, and so forth.

You may see the following standard nicotine strengths 3mg, 6mg, 24mg, 48mg, 100mg, etc, what these mean is that the concentration of the solution is some numbered concentration in milligrams per milliliter. To clarify the list and other numbers you may see, the concentrations should be seen as such 3mg/mL, 6mg/mL, 24mg/mL, and etc. The standard naming convention was used for convenience and ease of use, but remember that the listed numbers are in units of concentrations, as in weight over volume, of nicotine solution.

Flavor concentrates or just flavors, to make it short and sweet, follow the rule of “a little goes a long way” and are, generally, suspended or made using PG. Ejuices are brought to life by these concentrated flavors but we recommend to not consume the flavors by themselves. Rather it is necessary to dilute the flavoring down with PG, VG or both to achieve the desired flavor.

To bring all these tips together, each part influences the other whether directly or indirectly. Nicotine solutions are blended in PG, VG, or both in some ratio while flavoring is generally made using PG. Both of these factors influence how much VG or PG you would need to add into your bottles to achieve your desired ejuice