

'Chemicals' in Arbonne *explained*



Ever heard this? "Arbonne's ingredient list looks far from 'natural'."

Whilst there are some Arbonne Independent Consultants who are dermatologists, doctors, scientists and biochemists, most of us don't wear a white coat. So when we are talking to our clients about the ingredients in Arbonne products, we would want to focus on what we are knowledgeable; and that's the remarkable results Arbonne products give us.

Build in clients the same confidence that we share. Our product ingredients list is transparent, we have had over 30 years of research and development, and our Company culture is based on pure, safe and beneficial. What about all those chemical names then?

noun: chemical; chemical substance: material produced by or used in a reaction involving changes in atoms or molecules.

Any physical matter can be considered a chemical; humans are made up of chemicals. In fact, humans are a living, breathing chemical. **Arbonne makes absolutely no claims to be 100% natural or 100% organic.** Please be careful here. Arbonne products however, use botanically based ingredients, blending science and nature. 100% natural does not mean 100% safe!

Doctor Peter Matravers explains it this way:

- Some chemicals are **petro-chemically** derived
- Some chemicals are **man-made**
- Other chemicals are **plant-based**
- Some chemicals are derived from **animals**

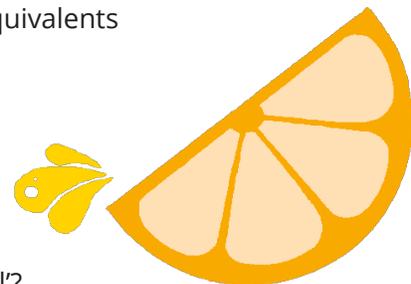
All Arbonne's proteins are **plant-derived**. The 'science' in Arbonne is the way Arbonne extracts fractions from natural substances. These fractions will have 'chemical' sounding names and this can sometimes cause alarm for some people.

Let's put this into perspective:

Natural orange juice (OJ) is made up of beneficial ingredients such as: water, Vitamin C, Citric acid, Thiamine, Phosphorus G, Vitamin B9, B6 and Potassium.

If we were to label orange juice though using the chemical equivalents of nutrients, it could actually read as this:

Dihydrogen Monoxide, Carboxylic Monohydrate, Thiamine Pyrophosphate, Tetraphosphorus Hexoxide, Folacin, Tetra Hydratholate, Pyridoxine, Potassium, Ascorbic Acid.



Sounds scary doesn't it? Does orange juice still sound 'natural'?

Who would feel comfortable giving your children a drink with breakfast that had an ingredients list like this?

Understand that chemistry is all about GROUPS

For example, the word 'alcohol' does not mean *ethanol*; very different function.

PEGs are the same. Arbonne does NOT use antifreeze PEGs, very different function. We use several different PEGs (polymers of ethylene glycol) in our products. These ingredients have been reviewed and are deemed completely suitable for use in cosmetic products.

All ingredients used in Arbonne products are of the highest quality, having gone through strict quality checks.

PEG is the acronym for polyethylene glycol. Various forms of PEG compounds are mixed with fatty acids and fatty alcohols to create a variety of substances that have diverse functions in cosmetics. Unfortunately, as with a number of other ingredients, **many websites associate PEG with antifreeze.** (Antifreeze is ethylene glycol not polyethylene glycol, there is a BIG difference.) PEGs have different properties and have no known skin toxicity.

There is no evidence to suggest that topical application of PEGs is detrimental to human health. Glycols are NOT the same as PROPYLENE Glycols, very different function.

Chemistry is all about *functional groups*.

Many ingredients have the same terms if they belong to the same or similar functional group. This DOES NOT MEAN it has the not same properties. The lesson then is if you see a 'chemical sounding word' in the ingredients list that sets off warning bells, do your research, call Arbonne.



Direct all sincere questions to the website or to Arbonne Head Office 1800 650 760.

The wise path is to encourage everyone to research and find out through **respected, independent, trusted and regulated sources.**

The following websites feature current and credible information on ingredient safety:

- Cosmetic Ingredient Review Board @ www.cir-safety.org
- Personal Care Products Council (PCPC), formerly the Cosmetic, Toiletry and Fragrance Association (CTFA), @ www.personalcarecouncil.org