



BIO-SAFE FAQ's

Information provided by Susan Samter, Sales Manager, Specialty Markets for Eclectic Products, manufacturer and patent holder.
Please visit www.biosafe-inc.com for more information.

1) Is Bio-Safe anti bacterial or anti microbial?

Bio-Safe is both anti-bacterial and anti-microbial. The term anti-bacterial is defined as only killing bacteria, while anti-microbial kills an array of microbes, such as bacteria and fungus.

2) Can you provide test data to substantiate your claims?

Yes. The Bio-Safe product has undergone multiple tests to assure that it kills and inhibits the growth of most microbes, as well as tests to assure there is a reduction in bacteria counts. The following is a sampling of pathogens tested:

E-Coli	Salmonella typhi	Enterobacter aerogenes
Pseudomonas aeruginosa	Candida albicans	Klebsiella pneumoniae
Micrococcus	Streptococcus pyogenes	Proteus
Serratia marcescens	Listeria monocytogenes	Staphylococcus aureus
MRSA	Shigella sonnei	Shigella dysenteriae

The tests show a log reduction of >3 in a 30 second time period for all of the above pathogens. Currently, Eclectic only discloses test data upon a signed confidentiality agreement due to the proprietary patented formulation and data achieved. If you are interested in receiving this data, please contact your FirstLine Glove representative.

3) What is the active ingredient in Bio-Safe and how much alcohol does it contain?

The active ingredients are as follows:

- Dimethicone for the skin protectant
- Tricyclosan for the anti microbial and anti bacterial

The percentage of cetyl alcohol in Bio-Safe skin protectant is .07% and is included to aid in the drying process. A product like Purell contains 63% ethyl alcohol and must be higher than 62% to declare "sanitizer" on its labeling according to FDA guidelines.

4) How do the anti bacterial ingredients in Bio-Safe not kill the good flora or fauna in your skin?

The good flora and fauna lay in the deeper depths of the skins tissues, while the anti-bacterial qualities of Bio-Safe attach to the top layers of the skin cells, allowing the good flora and fauna to remain unaffected. Alcohol based sanitizers penetrate much deeper into the skins cells, promoting degradation of good flora and fauna.

5) How does Bio-Safe promote healing to damaged skin?

It protects the skin from further degradation while it allows the skin to breathe and perspire normally, thus encouraging the hands own moisture to aid in the healing process.

In addition, Bio-Safe's skin protectant attributes prohibit dermal absorption of many chemicals frequently used in the daily tasks performed throughout many medical professions.

In addition, some noteworthy points to consider about the use of Bio-Safe skin protectant:

- Not flammable like many alcohol based sanitizers
- Protects against Poison Oak, Poison Ivy and Sumac
- Classified as orally non-toxic, non-irritating and non-sensitizing to eyes, ears and mouth exposure.