BioFusion Fights Pathogens with Bio-Friends

JIM LANE, Editor & Publisher, Biofuels Digest

Remember what they say about rat-catchers never catching all the rats for fear of putting themselves out of business? Well, same goes for a lot of industrial cleaners, though their shortcomings are based less in strategy and, in the end, on the realities of remediation.

As BioFusion points out, “every microbial or sanitizing agent, while effective in removing pathogens, leaves behind residues that form the underlying nutrient source for recontamination. These microscopic nutrients are what grow back on surfaces, and in sponges, rags and wipes. These nutrients feed and promote growth of pathogens, bacteria and microscopic contaminants.”

Well, it takes a thief to catch a thief, as it turns out. Bio-based BioFusion products, goes the story, do not leave behind the residues of traditional detergents, chemicals and sanitation agents. This advancement in cleaning technology produces a much deeper clean, and leaves no toxic chemical by-products or the nutrients for pathogenic growth.

Product Description

BioFusion has nine products available that have earned the United States Department of Agriculture’s (USDA) BioPreferred label. Here’s one: BioFusion’s carpet cleaner spot remover make use of organically occurring fragrances, colors and surfactants, and its advanced technology utilizes a unique combination of cell-free proteins, bio-surfactants, emulsifiers, organic stabilizers and minerals to

catalyze the natural degradation of organic pollutants at a greatly accelerated rate.

The cleaning performance and effectiveness of BioFusion products over all other competing green, or traditional, chemistry is due to the bio-oxidating breakdown and removal of these nutrients, as well as biofilms (microorganisms and the slime layer they live in) and other fats, oils and grease.

The virtually instantaneous catalytic breakdown (bio-degradation) of the waste contaminants provides a powerful bio-remediation mechanism that enhances both soil removal and sanitation through natural bio-oxidation. This breakdown eliminates the entrapment of dangerous pathogens and/or spores like anthrax, Escherichia coli (E. coli), staphylococcus aurous, salmonella choleraesuis, pseudomonas or other selected viruses. It also dramatically blocks the formation of odors.

Consider the following killers. Over at testing labs, they are known as “challenge organisms;” you know them as serious and infectious pests:

1. Staphylococcus aureus.
2. Pseudomonas aeruginosa.
3. Salmonella cholerasuis.
4. Staphylococcus aureus (MRSA).

BioFusion reports: “These organisms are the most prevalent health issues affecting our society every day. Staph kills many people from infection at hospitals, and MRSA staph causes many people to miss work and children to miss school every year. The tests show that, after 10 minutes, we kill (eliminate) over 99 percent of the MRSA. This virus is why every school, office building or hospital has the alcohol hand cleaners hanging on the wall. The issue with the alcohol hand cleaners is that they are harmful to our skin and some people are allergic. The alcohol also evaporates quickly, leaving the dead virus on your skin. Our product just stays on you, and keeps on working without affecting or irritating your skin.”

Product Applications

1. Carpet cleaner/deodorizer.
2. Spot remover.
3. Upholstery cleaner.
4. Cleaner/degreaser.

5. General-purpose household cleaner.
6. Industrial cleaner.
7. Glass cleaner.
8. Grease trap cleaner.
9. Hard surface cleaner.
10. Parts wash and cleaner.
11. Metal cleaner.
12. Corrosion remover.

Unique Features

BioFusion products are non-toxic, non-carcinogenic, non-caustic, non-irritating, non-allergenic and biodegradable (tested for more than 15 years). They are also certified by the National Sanitation Foundation (NSF) to be used around food and food preparation areas. Plus, it attacks biofilms. The breakdown of biofilms eliminates the entrapment of potentially dangerous pathogens and/or spores.

Why an A-List Bio-Based Product?

It’s a performance story. As BioFusion explains, “The cleaning performance advantages of BioFusion products over all other competing green, or traditional, chemistries is attributed to the bio-oxidating breakdown and removal of these microscopic nutrients, as well as biofilms (microorganisms and the slime layer they live in) and other fats, oils and grease. The virtually instantaneous catalytic breakdown (bio-degradation) of the waste contaminants provides a powerful bio-remediation mechanism that enhances both soil removal and sanitation through natural bio-oxidation.

About the A List

All products covered in the *Bio-Based Digest* have significant bio-based content — hence the B List — and thereby create a more eco-friendly and sustainable set of product choices, and offer comparable performance to more carbon-intensive (the C List) products and materials.

Beyond the B List, there are products that, in addition to having a bio-based benefit, have superior performance or cost benefits. Those that have cost or performance benefits that are third-party verified or otherwise testable are eligible for the *Digest*’s A List.

Manufactured By

BioFusion Corp.; Ridgewood, New Jersey

For more information, please visit the product website here. *[1] Copyright 2012;* Biofuels Digest [2]

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