

BACKGROUND

Biomimetic Technology Ltd was founded in March 27, 2009 in UK, dedicated to be the solely owner of the absolute non-toxic chemical IP product developments of additives and standalone products.

It was based on a written invitation from the former PM Gordon Brown together with UKTI addressed to Trulstech Group AB.

The reason for the invitation depended on the loss of chemical industries in Yorkshire County in UK, most of the chemical industries had moved abroad to South Asia. The lack of chemical industries in Yorkshire County had a bad impact on the chemical education at the universities in Sheffield, Leeds, York and Newcastle, due to the lack of employments after finished university examination.

Trulstech Group AB was offered £ 5 million GBP in compensation for moving to UK, setting-up a chemical laboratory at Leeds University respectively a manufacturing plant at CB Chemicals in Thirsk, Yorkshire County.

After Biomimetic was established with laboratory and manufacturing plant, a month later - April 2009 - PM Gordon Brown lost the election to the new PM David Cameron. PM David Cameron immediately stopped the former British Government's made written commitment to compensate Trulstech Group AB for the capital investments in Yorkshire County regarding the laboratory and manufacturing plant. All before any of the £ 5 million GBP committed in compensation for the move to UK ever were paid.

Due to the lack of committed funds after having moved the R&D engineering business to Yorkshire County in UK, Biomimetic has put focus on trying to sell the IP product developments of additives and standalone products.

Initially, Biomimetic was able to offer absolute non-toxic chemical fire fighters developed to meet the market demands on requested functionality regarding wild forest fire fighting, both for active as well as preventive ditto, saving lives and properties in the surrounding neighbourhood of a wild forest fire.

Furthermore, at that time Biomimetic had chemical powder additives, specially developed for extrusion regarding synthetic material like PUR-resins, PU-foam (TDI/MDI), PVC-resins, PVC-film, Polyester and EPDM rubber.

However, the main chemical companies put focus on a strong lobbyism directed to politicians, social authorities and the management of the chemical manufacturing industries, A lobbyism that said there flame retardants were absolute non-toxic, and that the international scientists were wrong about their chemical flame retardant products. The target group of politicians, social authorities and managements of the chemical material manufacturing industries relied on the lobbyists, whatsoever the scientists result come-up with regarding the frequently used hazardous flame retardant chemicals. Due to that, still the legislation became too weak and couldn't stop the frequently use of all hazardous flame retardants added to most of the synthetic plastic materials.

Biomimetic had to do something to pass the obstacle being dependent on the synthetic material manufacturing industries that continued to frequently apply hazardous chemicals as a part of the synthetic plastic products manufactured.

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Biomimetic Technology Ltd discussed with Trulstech Innovation KB the critical market situation, primarily being dependent on the synthetic plastic industries to sell the absolute non-toxic chemical flame retardants.

Biomimetic wished to get a broad spectrum of absolute non-toxic chemical standalone products, targeting the commercial consumer business market.

It was essential that the standalone chemical products had to be absolutely free from any classified hazardous chemicals, according to the ECHA/ REACH1 pesticide register.

Biomimetic wished to continue to only chemical compositions designed to be absolutely *free from halogens, PFAS, antimony, aluminum, sulfur, boron, chrome, nickel, lead, silver, mercury, arsenide, manganese, ammonium compounds, etc.*

Mats Nilsson, the key architect of Trulstech Innovation KB and Head of Research and Product Development was the cornerstone of the revolutionary chemistry approach of Trulstech.

Mats started to develop a new product line under the brand Bio-Eco in mission to meet Biomimetic's demand on the standalone chemical products aimed for targeting the commercial consumer business market.

Mats' grow up in a family where his father was a technical doctor in chemistry, and a pioneer at the early age of plastics after the second world war 1945 and henceforth. In early age Mats became interested in science, due to that he realised that the non-biodegradable nature of plastics, and that the raw chemical materials in use to create the synthetic plastic products were neither sustainable nor earth healthy.

In year 2003, Mats decided to dedicate his career to developing only chemical composition products that would be non-toxic and benign to the earth.

In summary, Mats developed two major chemistries –

MHE (Molecular Heat Eater) – a line of fire retardants and extinguishable products created in both liquid and powder forms. Ingredients all food grade like components of berries, grapes, citrus fruits and flour. Products completely biodegradable and non-toxic in nature.

Bio-Eco TT – A line of liquid chemical compositions developed for advanced cleaning products, surface protection, coating/impregnation/saturation, degreasing and disinfection liquid solutions. Note one Bio-Eco formula (TT-33), works similar to the MHE products, and can fireproof wood for construction purposes like wood frame homes, barns wood fencing, etc.

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Unique Value Proposition

The uniqueness of these chemical compositions are the materials and processes used to solve for problems using only food grade weak organic salts that people have eaten for centuries, named food grade chemicals, applied in certain quantities and concentrations in compounds found in foods such as berries, grapes, fruits and bread, etc.

This unique application of chemical compositions are an alternative to products based upon traditional chemistry, while both MHE and Bio-Eco products display high efficacy in combination with competitive manufacturing costs, which creates a fantastic opportunity for an entire lineup of toxic free, sustainable products and brands.

This portfolio has essentially taken twenty years to develop. As the chemical compositions are so different compared with traditional chemistry, there was not a textbook to reference in building these formulas. The new buyer not only gains a currency in ready to sell products, but profits from the time value of instant development and a unique way and process to develop toxic free chemistries.

ECHA/REACH - This is a unique source of information on the chemicals manufactured and imported in Europe. It covers their hazardous properties, classification and labelling, and information on how to use them.