



Vitech International Inc.

June 12, 2009

Pursuing safer, more environmentally friendly chemistries has led Vitech International to the development of an alternative to hydrofluoric acid with the groundbreaking acid salt technology, Videt ALB.

Recently awarded EPA's 2009 P2 Pollution Prevention Recognition, Vitech International is breaking new ground with the debut of its acid salt technology, Videt ALB. Videt ALB is used to replace hydrofluoric (HF) and other acids in a variety of cleaning applications including car and truck vehicle washing, wheel cleaning, and aluminum cleaning and brightening.

Currently HF, or acids or salts that dissociate HF, are used in these applications as a boost to the cleaning power of pre-soaks and as a staple for commercial truck washes to brighten metal parts on rigs. As competition continues to grow in a tight market, the need to get the best performance has led more operators to seek HF containing products for its unmatched performance.

However there are obvious risks associated with HF and the equally hazardous alternatives, ammonium bifluoride (ABF), fluorosilicic acid, etc. The free fluoride ions in both HF and ABF can literally be deadly when in contact with skin or inhaled as a mist. The insidious nature of HF and ABF is that the effects are not immediately apparent until severe health damage is done.

ALB is a salt and yet also a strong acid. However, it does not cause the severe health effects associated with hydrofluoric acid exposure and is further classified as a non-irritant to skin. ALB does not fume thereby minimizing respiratory irritation. Videt ALB has been shown to not accumulate in the body if inadvertently ingested.

In touchless vehicle cleaning, Videt ALB as a first step acid pre-soak provides rapid breakdown of road film which simplifies alkaline washing, the usual second step in touchless vehicle washing. It brightens aluminum through dissolution of surface aluminum oxides and, when formulated properly, it will not discolor aluminum due to oxidation from overexposure. Videt ALB also does not frost glass and therefore has utility for eliminating eyebrow associated with windshield wipers. For wheel cleaning, Videt ALB is excellent for removal of brake dust and metal staining.



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Other Promising Application Areas

There are many other potential applications for ALB, both in and outside of vehicle washing, including:

- Building Restoration
- Galvanized Metal Cleaning
- Wheel Cleaners
- Specialized Descaling
- Locomotive Cleaning
- HVAC/Air Conditioning Fins
- Aluminum Truck Brightening

About Vitech

Vitech International is a raw material supplier that continues to lead in the development of surfactants, acid replacement technologies, specialized polymers and specialty blends. Vitech remains devoted to creating green chemistries that eliminate the need for those traditional chemicals that are known to have either negative environmental and/or health & safety issues.

www.vitechinternational.com

For further information on the EPA's P2 Pollution Prevention Recognition the following link is provided:

www.epa.gov/opptintr/newchems/pubs/p2.htm