



# Dustbane Green Action Initiative



Dustbane Products Limited  
[www.dustbane.ca](http://www.dustbane.ca)

# Green Action Initiative 2005-2007

## Our Vision

This action plan is the logical next step in our company's evolution toward achieving sustainability in its development, operations and business practices. Dustbane's commitment to this sustainability flows from our strategic vision. This vision, "The Green Circle Approach" represents our desire to act responsibly and be leaders in our industry.

The ongoing mission is to provide effective products that reduce risk to both the end-user and the environment. Using advanced chemical technology, we are able to manufacture products that are not only user and environmentally compatible, they perform better than the technology they replace.

## Toward Sustainability in 2005-2006

The following will explain steps that Dustbane has taken to date to accomplish our earth-friendly goals.

## Objectives

- A.P.E. (Alkyl Phenol Ethoxylate) replacement
- Butyl cellosolve replacement
- Phosphate free
- Ammonium free
- EDTA (Tetrasodium ethylenediaminetetraacetate) free
- V.O.C. (Volatile Organic Compound) free
- More concentrated
- More recyclable packaging

## Actions

### APE Replacement

We have eliminated Alkyl Phenol Ethoxylates from our facility. APE's have been categorized as "endocrine disruptors". The by-products produced by incomplete biodegradation of APE's are known to cause adverse reproductive effects in wildlife.

### Butyl Cellosolve Replacement

We have eliminated Butyl Cellosolve from our facility in all forms. Butyl Cellosolve and other ethylene based glycol ethers, have been categorized as reproductive toxins and can cause damage to blood cells.

### Phosphate

We have greatly reduced (and will soon eliminate) the use of inorganic phosphates. Over use of phosphate can lead to eutrophication of our water-ways. Excess phosphate causes uncontrolled growth of vegetation (algae) that can choke off the oxygen supply to other beneficial organisms.

### Ammonium Hydroxide

We no longer use ammonia in the manufacture of floor polish or strippers. Ammonia is a strong smelling, alkaline chemical that can cause severe burns to skin, eyes and respiratory tract.

### EDTA

We have greatly reduced the use of Tetrasodium Ethylenediaminetetraacetate. This chelating agent is used to tie up nuisance metal ions that interfere with the effectiveness of cleaning solutions. However it can also form complexes with heavy metals that would ultimately find their way to our waterways creating unwanted toxic effects in aquatic organisms.



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**VOC's:** We have eliminated the use of many Volatile Organic Compounds in our facility. Overuse of VOC's can lead to the formation of smog. Though some VOC's are essential when formulating strippers and degreasers we are able to minimize their use by coupling them with highly effective surfactants.

**Concentrates:** Wherever technologically feasible, our products are made in concentrated forms that are highly dilutable (in some case up to 250 times). Use of concentrates maximizes the use of packaging materials and reduces requirements for our dwindling natural resources. Dispensing systems ensure that the correct amount of product is used.

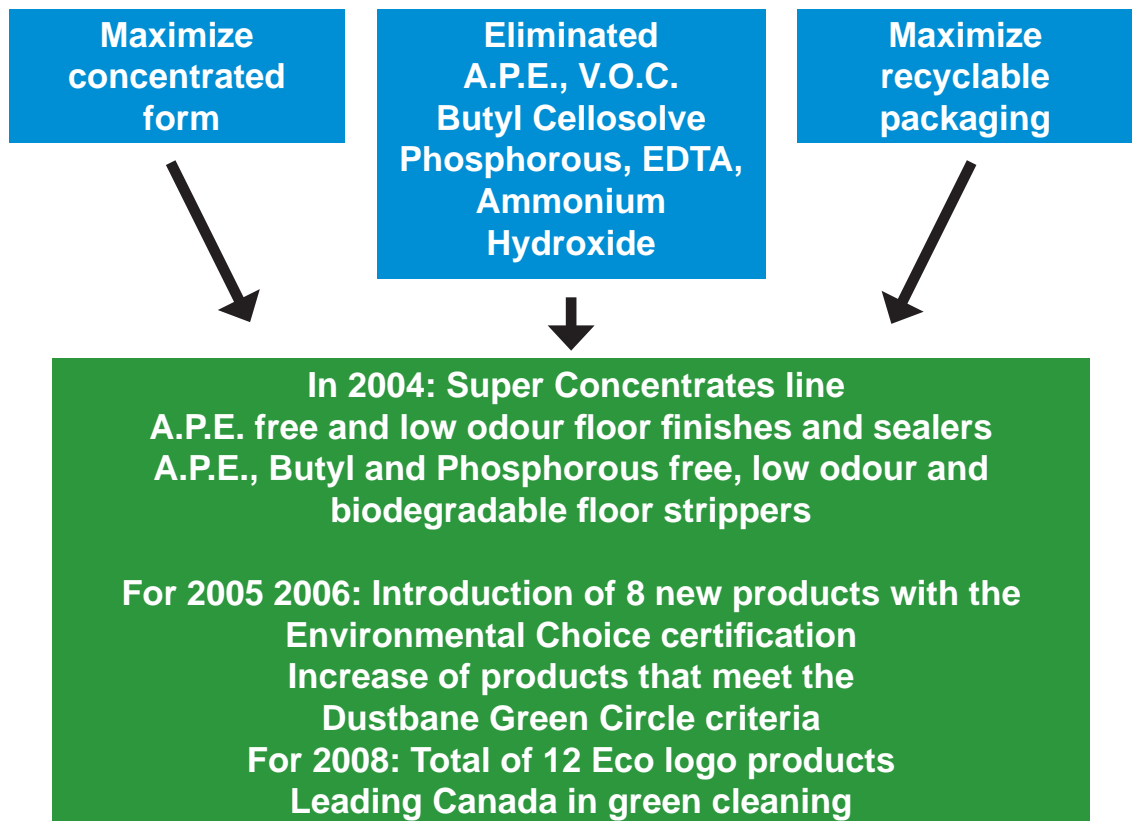
**Recyclable Packaging:** Polyethylene (HDPE) pails, jugs and bottles are readily recycled as is the corrugated paper used in our boxes.

## Making Sustainability a Reality

We are making a commitment with our customers in mind. Offering environmentally preferable cleaning products will offer less environmental impact and will improve worker health and safety and moral. With your support, this will help us ensure that together we will work toward a greener and more sustainable future.



## Results





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