**Green Products Class**

The Chamber of Commerce is looking to start buying cleaning products that are more environmentally friendly. They are looking to start with an all-purpose cleaner that can be use on a number of surfaces in the meeting room, kitchen and bathrooms. Price is important, but they realize that “Green Products” are more expensive and they are willing to pay a little more to help the environment Help the Chamber of Commerce select a “Green Product” to clean a number of surfaces..

1. Simple Green $17.99 per Gallon from Quill with free shipping

Simple Green

All-Purpose Cleaner

* Concentrate - use one part water and one part Simple Green (1 gallon makes 8 quarts of Ready to Use Product)

* Quantity : 1 Gallon
* Scent : Unscented
* Features : Non-toxic, Non-flammable, Biodegradable, No Bleach,
* Miscellaneous Green Seal Certified

Environmentally-sensitive non-toxic cleaner/degreaser that really works and can be economically custom-diluted for many, many different uses. From floors and walls to pots and pans, from windows to sinks and drains, even greasy tools, it only takes a little Simple Green to get big jobs done around the house.

Ingredients (Source):

Water (Aqua), Butoxyethanol, Mixed Alcohol Ethoxylate, Tetrapotassium Pyrophosphate, Sodium Citrate, Fragrance, Colorant.

2. Green Works Natural All-Purpose Cleaner

$10.99 each (must buy 4 or more)

Free Shipping

Cleaner Type : All Purpose Cleaner – Safe to use on non-wood floors, counters, sinks, stoves, garbage cans and toilets.

Quantity : 64 oz.

Color : Green

Scent : Unscented

Not Concentrated: Ready to Use (64oz. bottle)

Features : Biodegradable, no chemical fumes or residue, no phosphorous, no bleach, primary and secondary packaging is recyclable

3. Green Cleaner 1 Gallon $85.99 – Free Shipping

Green Clean is the toughest all-natural cleaner in the world.

It is comprised of purified water, amino acids, minerals, and other ingredients derived from leafy green, edible and seed-bearing plants.

Features:

* Biodegradable
* Reduces cleaning time dramatically
* Removes grease, oil, dirt, nutrient salts build-up, green algae, etc.
* Leaves trays, reservoirs, equipment, pumps, tubing, light fixtures, benches, floors, walls and entire growing area spotless and looking brand new!
* Non-toxic.
* Highly concentrated formula. - Mix a 7 parts water to 1 part Green Cleaner (1 gallon makes 28 quarts of ready to use product)

Replaces harmful and ineffective chemical cleaners.

It also makes light fixtures sparkle!

4. Shaklee Basic H2® Organic Super Cleaning Concentrate Price - $12.15

 Size: 16 oz. Free Shipping

PTPA provides an objective means to discover, appraise and promote new products designed to enrich family living. Awards are presented to companies whose products are deemed exceptional by a knowledgeable and unbiased panel of experts.

* Basic H2® is all you need for thousands of household jobs – Versatile and powerful cleaner – removes dirt, grease, and grime from any washable surface, inside and out.
* No rinse, no residue, streak-free formula.
* Concentrated Cleaner - 16 oz. makes 8 quarts of Ready to Use Product
* Green Seal Certified

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| --- | --- |
| **GREEN**✔ Natural, sustainable source ingredients — derived from corn and coconut✔ Biodegradable surfactants✔ No phosphates✔ Recyclable packaging✔ No dyes✔ Safe for septic systems and gray water | **SAFE**✔ Nontoxic✔ No toxic fumes✔ No hazardous chemicals✔ Fragrance free✔ Mild on your hands✔ pH balanced✔ No chlorine |

 Green Product Comparison

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| --- | --- | --- | --- | --- |
| Product (items to compare according to the guide) | 1 - Simple Green - 1gal concentrate | 2 - Green Works | 3 - Green Cleaner | 4 - Shaklee Super Cleaner |
| Price  |  |  |  |  |
| Price per quart of ready to use cleaner **(Agent suggested Comparison Point)** |  |  |  |  |
| Concentrated |  |  |  |  |
| Green Seal |  |  |  |  |
| Biodegradable |  |  |  |  |
| Recyclable |  |  |  |  |
| No Chlorine Bleach |  |  |  |  |
| No Phosphates  |  |  |  |  |
| No Nitrates |  |  |  |  |
| No Borates |  |  |  |  |
| No Volatile Organic Compounds (VOC’S) – Carbon based chemicals  |  |  |  |  |
| No Animal Testing |  |  |  |  |

 Green Product Placing 4 - 1 - 3 - 2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Product (items to compare according to the guide) | 1 - Simple Green - 1gal concentrate | 2 - Green Works | 3 - Green Cleaner | 4 - Shaklee Super Cleaner |
| Price  | $17.99 per Gallon - Free Shipping | $10.99 x 4 = $43.96 - Free Shipping | $85.99 per Gallon - Free Shipping | $12.15 per 16 oz. — Free Shipping |
| Price per quart of ready to use cleaner **(Agent suggested Comparison Point)** | 1 to 1 mixture = 8 quarts ready to use cleaner = $2.25 per quart | Ready to Use = 8 quarts= $5.50 per quart | 1 to 7 mixture = 32 quarts of ready to use cleaner = $2.69 per quart | 1 oz to 16 oz water = 8 quarts of ready to use cleaner = $1.52 per quart |
| Concentrated | x |  | x | x |
| Green Seal | x |  |  | x |
| Biodegradable | x | x | x | x |
| Recyclable |  |  |  |  |
| No Chlorine Bleach | x | x | x | x |
| No Phosphates  |  | x | x | x |
| No Nitrates |  |  | x |  |
| No Borates |  |  |  |  |
| No Volatile Organic Compounds (VOC’S) – Carbon based chemicals  | x (no petroleum distillates) |  | x | x |
| No Animal Testing |  |  |  | x |

 Placing 4 - 1 - 3 – 2

Cuts: 1-2-3

I placed this class of Green Products 4 - 1 - 3 - 2. The Chamber of Commerce was looking for a all-purpose cleaner to be used on various surfaces in the meeting room, kitchen and bathrooms. This class had a close top pair.

I placed 4 Shaklee Super Cleaner over #1 Simple Green mainly due to price. #4 is a concentrate which equals $1.52 per ready to use quart. This is .73 cents less that #1. #4 also has the Green Seal, biodegradable, no chlorine bleach, no phosphates, no VOC’s, and no animal testing.

I placed #1 Simple Green over #3 Green Cleaner because of price. #1 is a concentrate which equals $2.25 per ready to use quart. This is .44 cents less than #3. #1 also has a Green Seal, biodegradable, no chlorine bleach, and no VOC’s.

I placed #3 Green Cleaner over #2 Green Works because #2 was not a concentrate and it cost more. #3 is $2.81 less per ready to use quart than #2. #3 also is biodegradable, no chlorine bleach, no phosphates, no VOC’s, and no nitrates.

I placed #2 Green Works, a biodegradable product last mainly because it is not a concentrated and the price per ready to use quart is the highest.

Therefore, I placed this class of Green Products 4 - 1 - 3 - 2.