

A Hard Look into Hard Surface Cleaning with Chemicals

Overview

Cleaning chemicals can cause various health issues and environmental problems. These include respiratory problems, skin irritation, and potential long-term effects like asthma and neurological disorders. Environmental pollution is also a concern, as many cleaning chemicals contribute to air and water contamination.

Here's a more detailed look at the issues:

Health Risks:

- **Respiratory Problems:**

Cleaning chemicals can irritate the throat, lungs, and airways, leading to coughing, wheezing, and shortness of breath.

- **Skin and Eye Irritation:**

Many cleaning products contain chemicals that can cause skin rashes, burns, and eye irritation.

- **Neurological and Other Long-Term Effects:**

Prolonged exposure to certain cleaning chemicals has been linked to headaches, dizziness, and even more serious health issues like neurological disorders and increased cancer risk.

- **Occupational Asthma:**

Workers in the cleaning industry are at a higher risk of developing asthma due to exposure to cleaning chemicals, particularly VOCs.

- **Chemical Burns:**

Corrosive chemicals in some cleaning products can cause severe burns if splashed on the skin or in the eyes.

- **Mixing Chemicals:**

Mixing different cleaning chemicals, especially bleach and ammonia, can create highly toxic fumes that can cause severe breathing problems and even death.

Environmental Problems:

Air Pollution:

- Volatile organic compounds (VOCs) released from cleaning products contribute to indoor and outdoor air pollution.

- **Water Pollution:**

Cleaning chemicals can contaminate water sources, harming aquatic life and potentially posing health risks to humans who consume contaminated water.

- **Residue Accumulation:**

Using too much cleaning product can leave behind residues that can be a breeding ground for microbes and make surfaces look and feel grimy.

- **Endocrine Disruption:**

Some chemicals in cleaning products, like phthalates, can disrupt the endocrine system, affecting hormone function and potentially leading to health problems.

Safer Alternatives:

- **Natural Cleaning Options:**

Using natural ingredients like vinegar, baking soda, and essential oils can be a safer and more environmentally friendly alternative to harsh chemical cleaners.

- **Reduced Use of Chemicals:**

Using less cleaning product and ensuring proper ventilation can minimize exposure to harmful chemicals.

- **Greener Products:**

Choosing products labeled as "greener" or "eco-friendly" can help reduce environmental impact and minimize health risks.

- **Proper Ventilation:**

Ventilating the area well when using cleaning chemicals can help reduce exposure to harmful fumes.

- **Personal Protective Equipment (PPE):**

Wearing gloves and other PPE can protect against skin and eye irritation.

By understanding the potential risks of using cleaning chemicals and taking steps to minimize exposure, individuals and organizations can promote a healthier and safer environment for themselves and the planet.

A Fresh Look into Hard Surface Cleaning with

Biosafe by Biosecurity Technology

Reduced Labor Strategies for Commercial Cleaning and Disinfection

Do you ever feel like there must be a better way? That some of the things your company is doing are not as efficient as they could be.

In today's economy, when many companies are facing decreased demand for their products and services, it is critical to reduce costs and increase productivity wherever possible. And you probably know that labor is one of your largest – if not the largest – controllable costs.

Biosecurity Technology's Biosafe provides strategies for reducing the cost and maximizing the productivity of your labor force.

Our award-winning technology eliminates inventory and is made on site and on demand with no additives or consumables and performs as good as or better than conventional chemical cleaning products. Biosafe has Green Seal certification, the highest level that a cleaning and disinfecting product can achieve for commercial and industrial use. Besides obtaining all governmental approvals, the solution is safe to contact human skin and is non-toxic, as well as being approved as organic.

We have integrated our Biosafe products with over 50 commercial and industrial clients that have demonstrated as much as 50 percent labor

savings when integrating our technology into their cleaning and disinfecting applications.

We have tested our technology using our modified atomizer with controllable flow metering and when used by trained tech can reduce the cleaning time of most if not all your applications. Our technology is an oxidizer, not a chemical and applied to hard surfaces, such as glass, plastic, stainless steel, porcelain and ceramic doesn't require the same amount of wiping and leaves no residue, the same applies to soft materials such as chairs and curtains, our products reverts back to simple oxygen and water and dries very quickly, when the atomizer's flow meter is adjusted properly the solution does not run down vertical surfaces eliminating the need to wipe down surfaces.

Biosafe by Biosecurity Technology a new way to clean and disinfect.

<https://biosecuritytechnology.com/proven-results/>