

Clean Production Action Green Screen™



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The Clean Production Action (CPA) Green Screen for Safer Chemicals is a comparative chemical screening method. It focuses on evaluating the inherent hazards of a chemical and identifying safer alternatives. NSF International is an approved third party reviewer of ingredients and products in accordance with the Green Screen™ chemical hazard assessment protocol. NSF develops human health and environmental profiles for product ingredients and formulations using the protocol developed by Clean Production Action. The outcome of this analysis is scored using four benchmarks, each defining progressively safer chemicals. Benchmark four, the highest rating, indicates a chemical with a complete data set and low hazard levels. Benchmark one, the lowest rating, indicates a chemical of high concern or one with an incomplete dataset.



Why Should You Get a Green Screen™ Hazard Assessment?

The most successful companies of the future will be those who leverage opportunities for their competitive advantage. Green, safer chemistry is one of those significant opportunities. CPA's Green Screen™ is the first open source screening tool to promote the design, manufacture, and use of safer chemicals. It is an important road map to green chemistry and is already helping major companies and governments to substitute hazardous chemicals with safer alternatives.

The Value of Comparative Chemical Hazard Assessment

- Looks at particular hazards and combinations of hazards when developing the chemical benchmark score, providing a better understanding of a product's potential risk profile
- Answers the question, *Which is safer?* when comparing chemicals for a similar functional use
- Enables prioritization within material substitution programs – allows you to go after the materials with the most impact and potentially save time and resources
- Supports business value when comparative hazard assessment leads to informed substitution and continual improvement
- Helps prevent regrettable substitutions, where a substitution for a hazardous chemical is later found to be also hazardous (as well as avoiding the significant costs associated with chemical replacements)

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Would You Like to Learn More?

Please call +1.734.214.6221 or email greenchemistry@nsf.org.

About NSF

NSF International (www.nsf.org) has been testing and certifying products for safety, health and the environment since 1944. As an independent, public health and safety organization, NSF's mission is to protect human health and the environment through standards development, auditing, testing and certification for the food, water, build/construction, retail, consumer products, chemical and health science industries. Operating in more than 120 countries, NSF is committed to protecting human health worldwide and is a World Health Organization Collaborating Centre for Food and Water Safety and Indoor Environment.



NSF Sustainability draws upon this expertise in standards development, product assurance and certification, advisory services and quality systems management to help companies green their products, operations, systems and supply chains. Through its National Center for Sustainability Standards, NSF has developed sustainability standards for chemicals, building products and materials and water quality. NSF works with leading regulators, scientists, engineers, public and environmental health professionals, and industry representatives to develop these transparent, consensus-based standards.

Learn more about NSF Sustainability at www.nfsustainability.org

About Clean Production Action

Clean Production Action (CPA) designs and delivers strategic solutions for green chemicals, sustainable materials, and environmentally preferable products to catalyze the transition to a healthy economy, healthy environment and healthy people. CPA partners with respected chemical and health experts from non-governmental organizations (NGOs), governments, other businesses and academia to collaboratively create and test tools and policies for moving the supply chain away from the use of chemicals harmful to human health and the environment.

Learn more about Clean Production Action at: www.cleanproduction.org