ToxFMD SCREENED CHEMISTRY™ PROGRAM

Industries, including textiles and apparel, are pushing toward the use of safer chemistry in their operations and supply chains. The ToxFMD Screened Chemistry™ Program provides:

> A streamlined platform for chemical hazard assessment
> Support of claims related to safer chemicals at the formulation level, safer chemical identification and informed substitution

The ToxFMD® criteria reviews against various chemical hazard assessment methods such as the U.S. EPA Safer Chemical Ingredients List (SCIL) or Master Criteria, the GreenScreen List Translator® (GS LT) or GreenScreen® for Safer Chemicals (GS), and the ZDHC Manufacturing Restricted Substances List (MRSL, Group B, v. 2.0).

BENEFITS OF ToxFMD®

Responsible companies want to establish chemical standards and practices that go beyond meeting regulatory minimums. Consumers and organizations are pushing for safer chemical formulations in products and their manufacturing processes, forcing brands and their suppliers to look at the chemicals they use more closely.

> The program goes beyond a restricted substances list to assess the human and environmental hazards associated with using certain chemicals and formulations.
> Trained third-party toxicologists evaluate every intentionally added ingredient, as well as residuals.
> Utilizes industry standard ZDHC MRSL framework.
> Does not require membership fees or subscription, chemical formulations can be assessed in any number and cost advantages exist for certain volumes.

WHY PARTNER WITH NSF INTERNATIONAL

NSF pursues full disclosure and handling of confidential business information so manufacturers can demonstrate compliance with supplier demands and program requirements without needing to divulge proprietary info.

We provide toxicology and risk assessment services to evaluate ingredients, materials and products against U.S. and international regulations. Our professionals have evaluated over 100,000 products with expertise in toxicology, regulatory compliance, chemistry, biochemistry, environmental chemistry, microbiology, industrial hygiene and engineering.

NSF performs third-party testing to support over 80 NSF/ANSI certification programs, including EPA Safer Choice, CleanGredients and Green Screen across the textiles, apparel, and cleaning products industries, among others.

CONTACT US

To learn more, contact us at sustainability@nsf.org or visit www.nsfsustainability.org.

ToxFMD® was originally developed by ToxServices and the ToxFMD® mark is the property of ToxServices.
**ToxFMD® PROGRAM VERIFICATION PROCESS**

**STEP 1: APPLICATION & DISCLOSURE**

Contact NSF for an application

- Prescreen conducted and results provided

**STEP 2: FULL SUPPLIER DISCLOSURE**

Provide completed application - includes full disclosure of all intentionally added ingredients (no cutoff threshold level) and includes disclosure of any residuals present at or above 0.01% of the formulation

- Full disclosure from suppliers of chemical level info*

**STEP 3: ASSESS**

- Formulation assessed against the U.S. EPA Safer Chemical Ingredients List (SCIL)
- Formulation assessed against the GreenScreen® (GS) List Translator (LT) to identify LT-1 listed chemicals
- Formulation assessed against the ZDHC Manufacturing Restricted Substances List (MRSL) (Group B) (v. 2.0)
- Perform a ToxFMD® Polymer assessment of all polymers
- Perform a GreenScreen® assessment of any non-polymeric chemical not on the SCIL

**STEP 4: VERDICT**

If determined "Acceptable"

- Client may receive:
  I. ToxFMD® certificate
  II. Confirmation that no chemical is present at or above limits specified on the ZDHC MRSL (Group B)

Any formulation that is ToxFMD® Acceptable has the potential to earn LEED V4 credits.

- Perform an LT-1 Summary assessment of any chemical identified as an LT-1 by the GS List Translator
- If determined "Not Acceptable"

I. NSF provides opportunities for continuous improvement and chemical optimization.

II. Client can address chemicals of concern and resubmit to the ToxFMD® Program.

*Supplier(s) are required to complete the supplier information addendum form, documenting the composition of each homogeneous material including the disclosure of all intentionally added ingredients, disclosure of any residuals/impurities present at ≥ 0.01% (100 ppm), and disclosure of ZDHC MRSL Group B chemicals that have reportable limits <0.01% (100 ppm). In addition, supplier(s) are also required to disclose complete polymer component information present in the formulation.

NSF INTERNATIONAL
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