



Greenlist Bulletin

This is the bulletin of the TURI Library at the University of Massachusetts Lowell. Greenlist Bulletin provides previews of recent publications and websites relevant to reducing the use of toxic chemicals by industries, businesses, communities, individuals and government. You are welcome to send a message to info@turi.org if you would like more information on any of the articles listed here, or if this email is not displaying properly.

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TURI Halogenated Solvents Alternatives Assessment

TURI is conducting an alternatives assessment on halogenated solvents used in surface cleaning and we need your input.

What information would be most beneficial to you as you evaluate safer alternatives to halogenated solvents? What factors affecting your business should we consider?

We are offering four interactive workshops that will be held in locations across Massachusetts. Please register for one workshop that is most convenient for you. You can find the workshop locations, dates and registration on the TURI calendar, www.turi.org.

There is no charge to attend but registration is necessary. 1 CE credit is available.

Multilayered Cellulosic Material as a Leather Alternative in the Footwear Industry

[Source: Clothing and Textiles Research Journal](#)

Authors: Young-A Lee Changhyun Nam

The purpose of this study was to develop a biodegradable material that could be used as a leather alternative material for the footwear industry, leading to reduce the negative environmental impact. Using an experimental research design, the researchers developed a multilayered cellulosic material (MCM) by bonding nonwoven cellulosic fiber mat, denim fabric, and hemp fabric and examined its properties compared with those of two-layered leathers, consisting of calf and pigskins (multilayered calf and pigskin leather [MCPL]), often used in the footwear industry.

[Read more...](#)

See also [Leather Tanning and Processing Chemicals](#) and [Researcher Develops Sustainable Green Tea-Based Leather Alternative](#).

Lowe's Joins Home Depot to Tackle Toxic PFAS in Carpets

Source: [Natural Resources Defense Council](#)

In a win for public health, the home improvement giant Lowe's announced that it will stop selling carpets and rugs containing toxic PFAS chemicals in the United States and Canada by January 2020. Home Depot recently made a similar commitment, signaling that stores are starting to take this health crisis seriously.

[Read more...](#)

See also [PFASs from Ski Wax Bioaccumulate at Nordic Resort](#) and [Toxic 'Forever Chemicals' Found in More Than 500 New Jersey Water Systems](#).

See also [EWG News Roundup \(10/25\): 2019 National Tap Water Database, Nonstick Chemicals Taint Louisville Drinking Water and More](#).

Carcinogenicity Assessment Was Flawed for 4 out of 10 Pesticides, New Report Shows

Source: [Health and Environment Alliance](#)

A new review of carcinogenicity assessments of pesticide active ingredients shows 40 percent of them are not carried out in compliance with existing European guidelines, leading to possible continued exposure of farmers and consumers to cancer-causing pesticides [1]. In 30 percent of the cases significant details were missing from the dossiers, raising uncertainties about how European authorities came to a conclusion.

[Read more...](#)

Ionic Liquids: New Emerging Pollutants, Similarities with Perfluorinated Alkyl Substances (PFASs)

Source: [Environmental Science & Technology](#)

Author: Agneta Oskarsson and Matthew C. Wright

Ionic liquids are organic salts with unique physicochemical properties, including low melting points, negligible vapor pressure, high thermal and chemical stability, and high solubility in both water and lipids (amphiphilic).(1) They are considered to replace volatile organic solvents as environmentally safe "green solvents" in chemical synthesis, biotechnology, and chemical engineering, with numerous applications, such as cellulose processing, as lubricants, corrosion inhibitors and battery electrolytes, for biofuel production, and even for water purification.

[Read more...](#)

See also [PFAS: Controlling, Preventing, and Understanding Exposure](#).

Modern Flame Retardants in Consumer Products May Be as Toxic as the Ones They Replaced

Source: [Discover Magazine](#)

Author: Alex Orlando

Flame retardants are everywhere. They're embedded in your TV, your couch — even your child's car seat. For years, a group of flame retardants was added to a host of consumer products in the U.S. before scientists realized their potentially toxic effects. And now, the old class has been mostly swapped out for a new group that may be just as toxic — and even more widespread — as the chemicals they were created to replace.

[Read more...](#)

See also [Organophosphate Ester Flame Retardants: Are They a Regrettable Substitution for Polybrominated Diphenyl Ethers?](#)

UMass Lowell Researchers Working To Prevent Dangerous Chemical Reactions

[Source: CBS Boston](#)

Author: Christina Hagar

At UMass Lowell's Toxics Use Reduction Institute, also known as TURI, the tragic hazmat mishap at Buffalo Wild Wings in Burlington hit home. "It's always dangerous to mix chemicals together," said Liz Harriman, TURI's deputy director. In Burlington, authorities said a bleach-based cleaning product called Super 8 was mixed with an acid-based solution called Scale Kleen. "If you mix bleach with acid, then you get chlorine gas evolving off that, which is very dangerous."

[Read more...](#)

See also [Tragic Accidental Death from Mixture of Cleaning Products a Cautionary Warning](#) and [TURI Guide To Safe and Effective Cleaning And Disinfecting](#).

Guest Column: Top US Toxicologist's State-Of-The-Union Farewell

[Source: ChemicalWatch](#)

Author: Emma Chynoweth

Earlier this month Linda Birnbaum retired after nearly eleven years at the helm of the US NIEHS and National Toxicology Program (NTP). She took time out to talk to Chemical Watch's chief customer officer Emma Chynoweth about her career, her achievements and the future.

[Read more...](#)

See also [Former EPA Chief Gina McCarthy Takes Over Leadership of NRDC](#).
