

Cleaner and Safer Products



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DNR's Small Business Environmental
Assistance Program

What's Ahead?



Why do we need special collections for household products?



How to know if a product is good or bad for you



Demo how to find resources

Products of concern

- Not all retail/commercial products are safe
- Household cleaning products, brake cleaner, WD-40, spray painting, pest spray, weed spray
- Many meet criteria for definition of hazardous waste when disposed
- What is hazardous?
 - flammable/ignitable
 - corrosive – chemical burn, corrode steel, very high/low pH
 - reactive – unstable, explode or create toxic gases/vapors
 - toxicity – material can leach out of the waste product, like lead or chromium
 - listed by EPA

Rules on chemicals in products

- Limits on chemicals in products, set by EPA and some states, based on impact during consumer uses
 - cannot be sold in US (or the state) if doesn't meet limit in rule
 - some states just follow EPA rule, others set own rules (CA)
- Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAP)
 - VOCs that are reactive, more likely to create ozone, often flammable
 - HAP designated based on health or environmental impacts when used/released to environment
- Green Chemistry program looking for alternatives
 - <http://www2.epa.gov/green-chemistry>
- Learn about companies that have eliminated chemicals of concern
 - <https://www.chemicalfootprint.org/news/category/case-studies>

Pesticides and insecticides

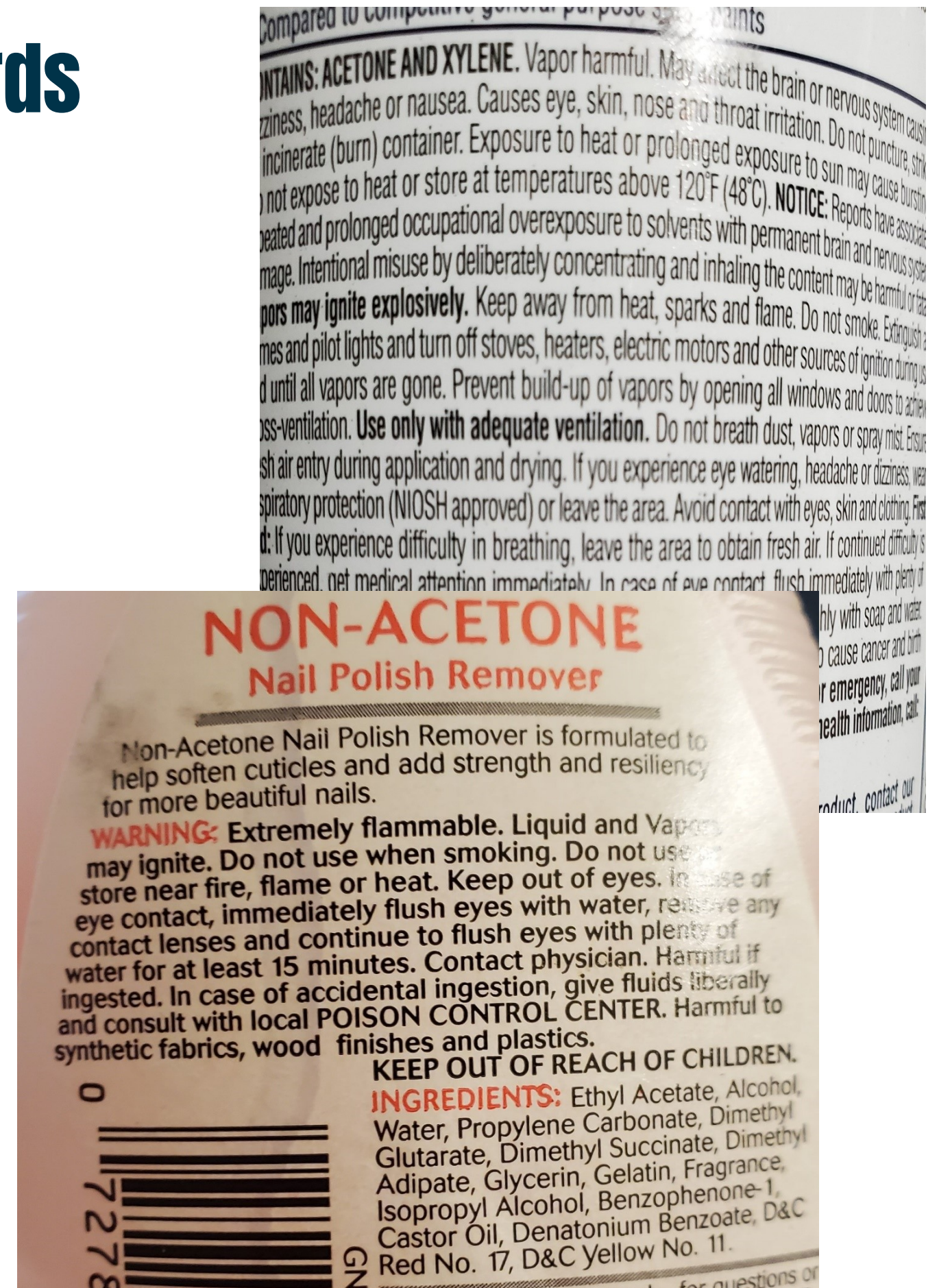
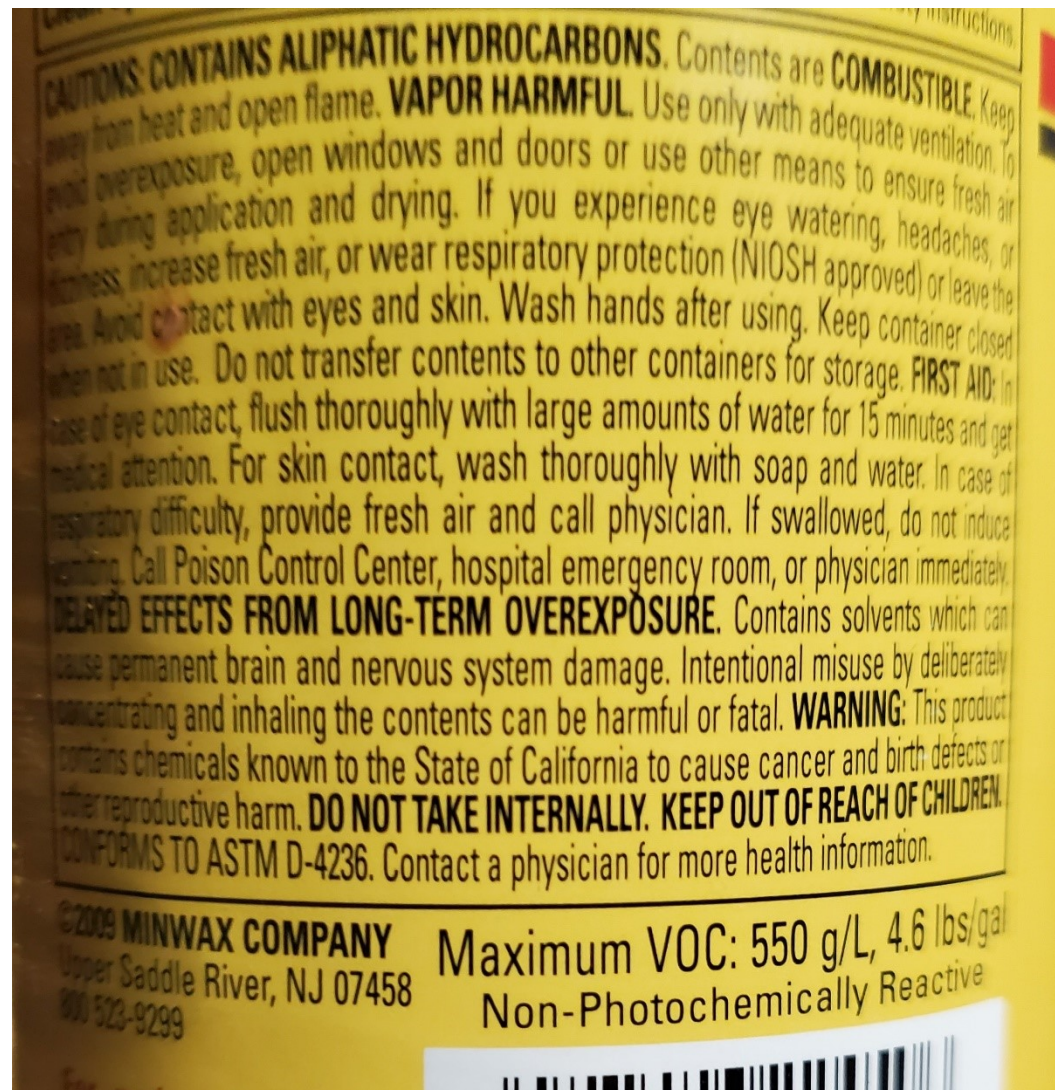
- All must be registered with U.S. EPA
- Includes fungicides, mold/mildew sprays, anti-bacterial products
- Read pesticide labels
<https://www.epa.gov/sites/default/files/2016-02/documents/children.pdf>
- Can you avoid using these products?
 - <https://www.epa.gov/safepestcontrol/do-you-really-need-use-pesticide>
 - <https://www.epa.gov/safepestcontrol/avoid-illegal-household-pesticide-products>

Pharmaceuticals and personal care products

- Don't dump medicine down the drain!
- Unused medicines and some personal care products can be hazardous
 - Nicotine patches, gum, etc were considered hazardous because nicotine is listed but no longer
 - Use medicine drop off sites for proper disposal – most have to be incinerated
- Some hairsprays, gels, shaving cream include propellants and have VOC or HAP
 - propellant spray bottles can explode
 - VOC/HAP can be
 - flammable
 - hazardous to environment when dumped down drain
 - cause reactions (allergic, other) in users or those in proximity

Reading labels to find hazards

- Flammable



! DANGER

CONTENTS ARE FLAMMABLE: Keep spray away from heat, open electrical tools, motors and appliances before spraying or bringing near. **ELECTRICITY MAY BURN HOLE IN CAN AND CAUSE CONTENTS TO** burn injury, do not let **THE CAN** touch battery terminals, electrical or other source of electricity. **BREATHING HAZARD:** Use only in a well-ventilated area. Avoid spray mist. DELIBERATE OR DIRECT INHALATION OF VAPOR OR MIST.

CONTENTS UNDER PRESSURE: Do not store above 120°F. Do not puncture. Do not expose to sunlight; Heat may cause can to burst violently. Do not puncture when empty. **FIRST AID • Ingestion:** CONTAINS PETROLEUM DISTILLATES. If swallowed, do not induce vomiting. Call physician immediately.

large amounts of water for 15 minutes. • **Skin Contact:** Wash with soap and water. • **Inhalation (breathing):** Remove to fresh air. Give artificial respiration or oxygen, if necessary.

WD-40 Safety Hotline 1-888-324-6343
Item No. 11005 Mfd. by
WD-40 Company
San Diego, CA 92110 USA
www.wd40.com

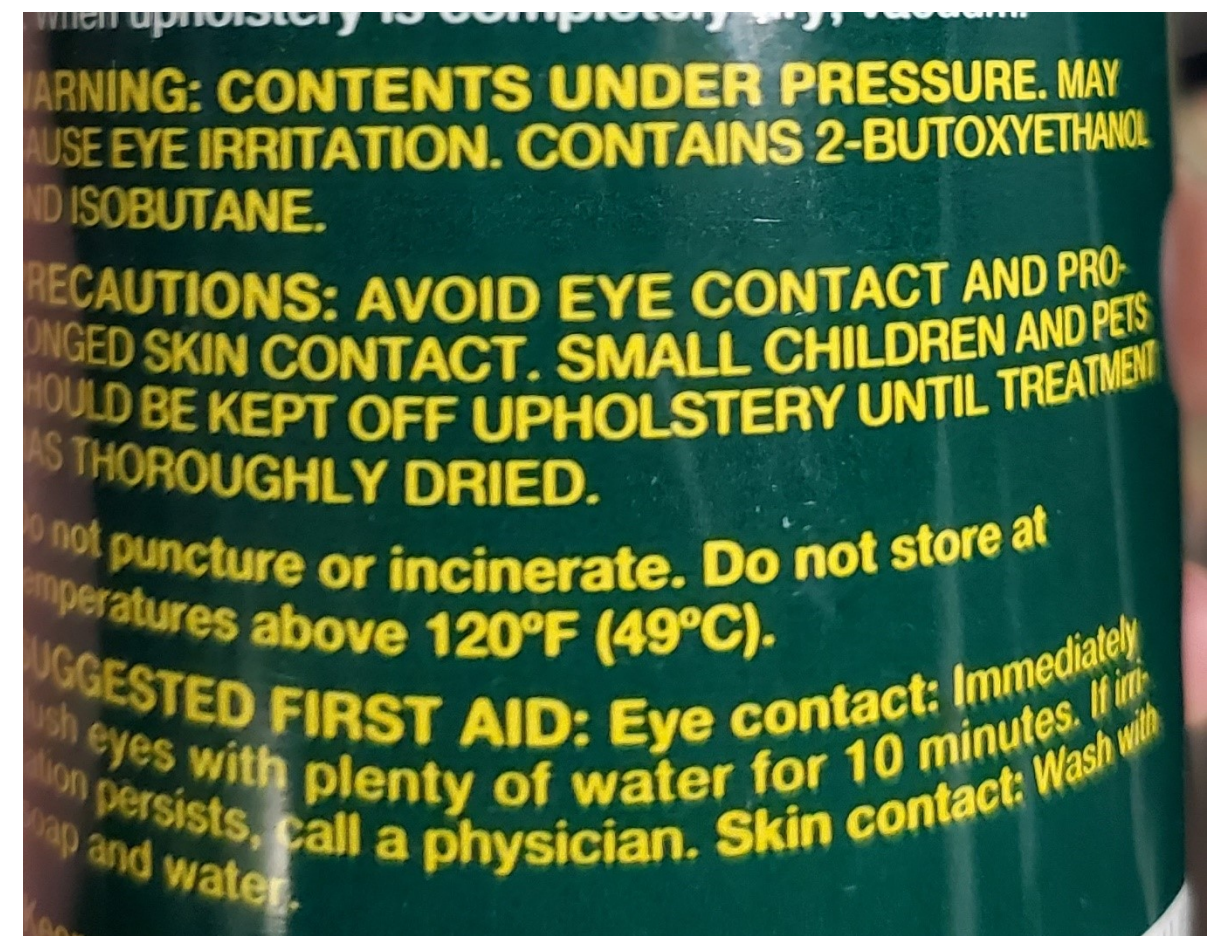
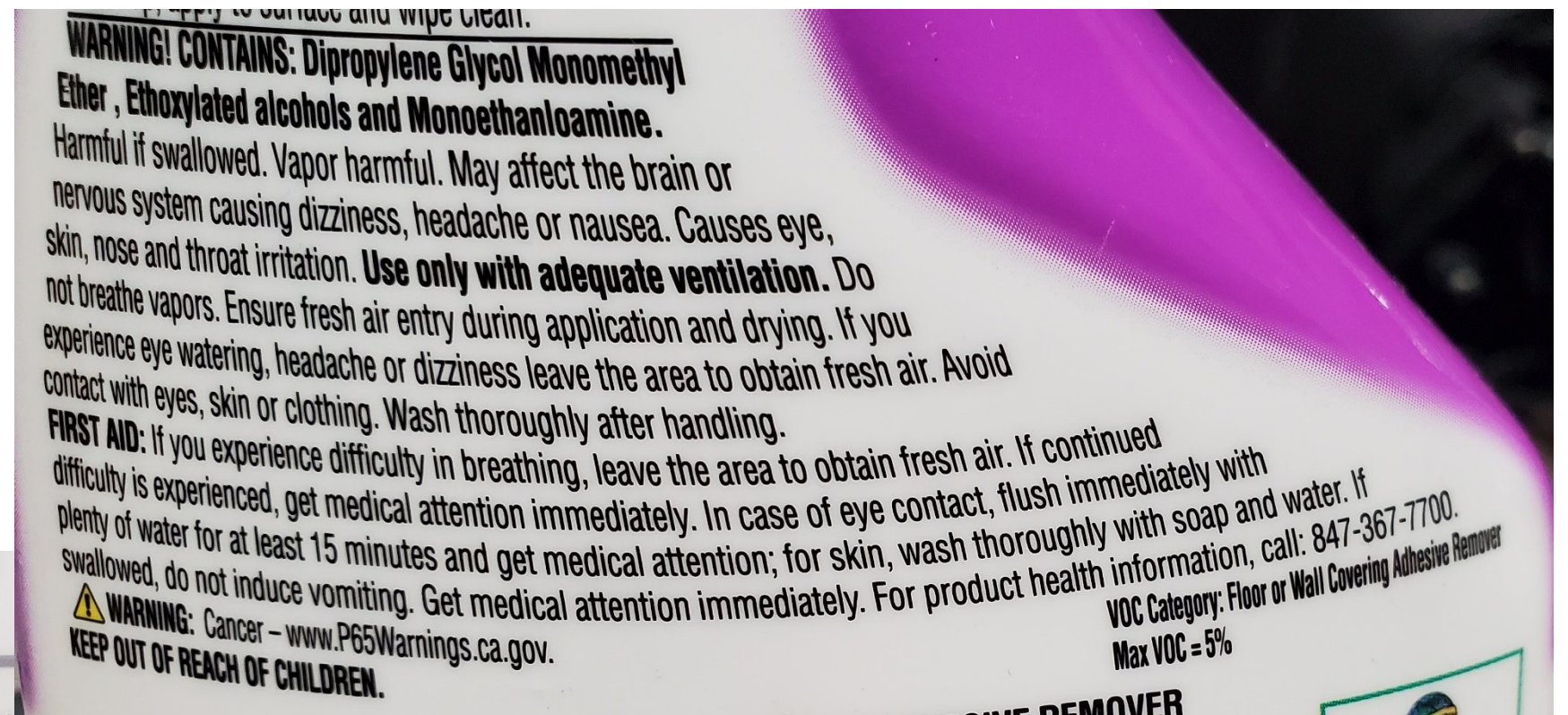
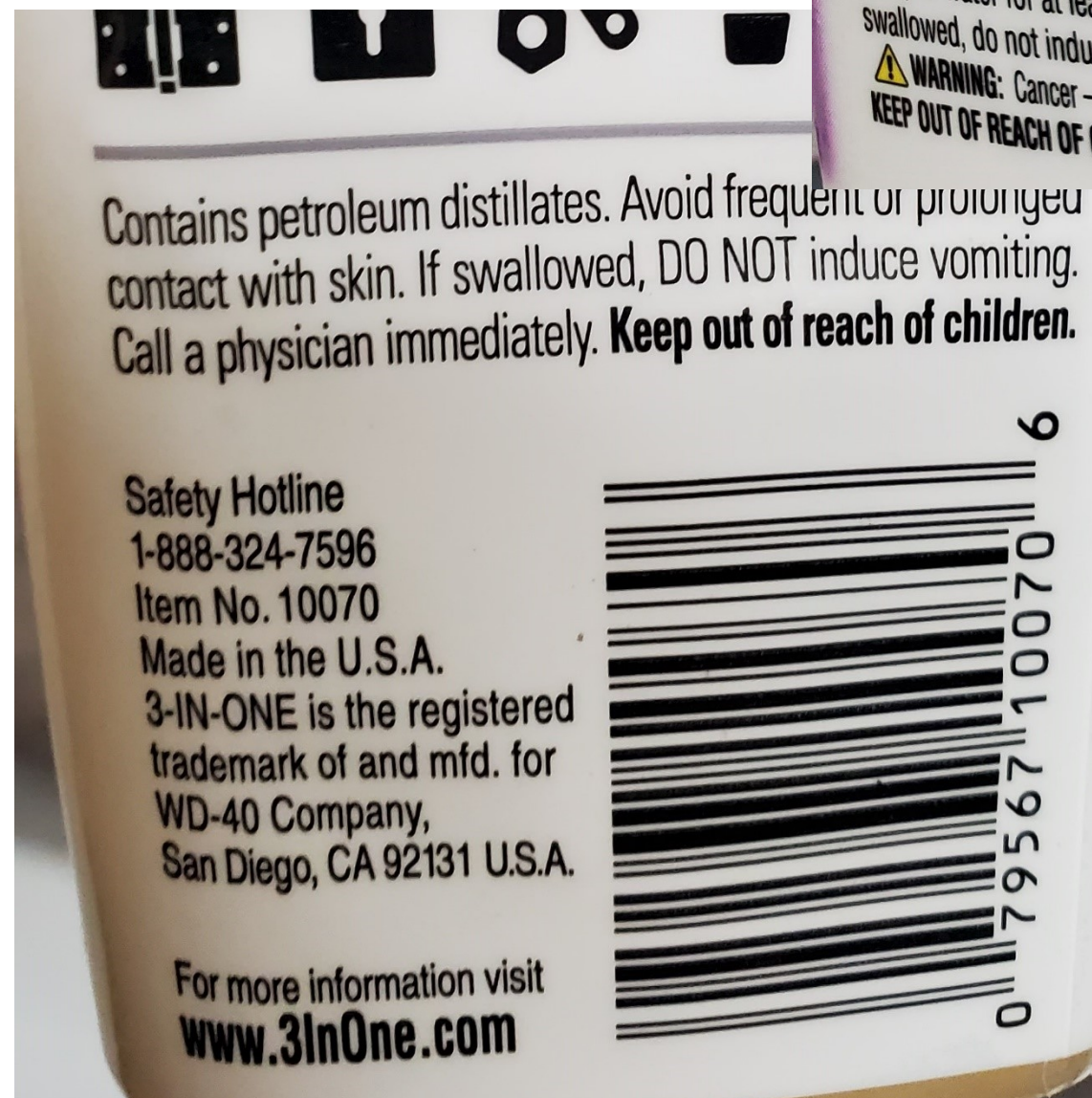
DOT 2Q
M5735



PROPELLANT: CO₂

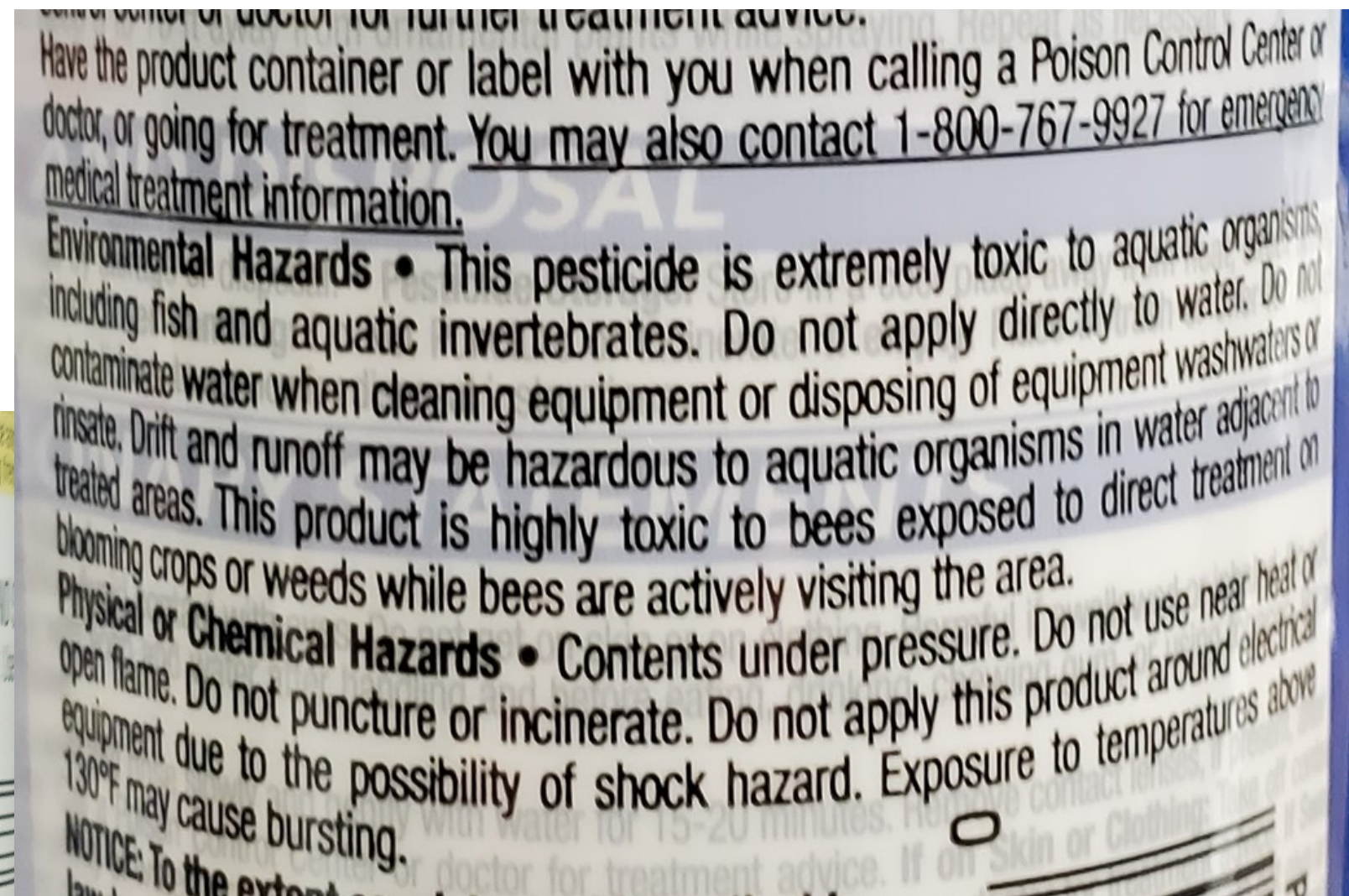
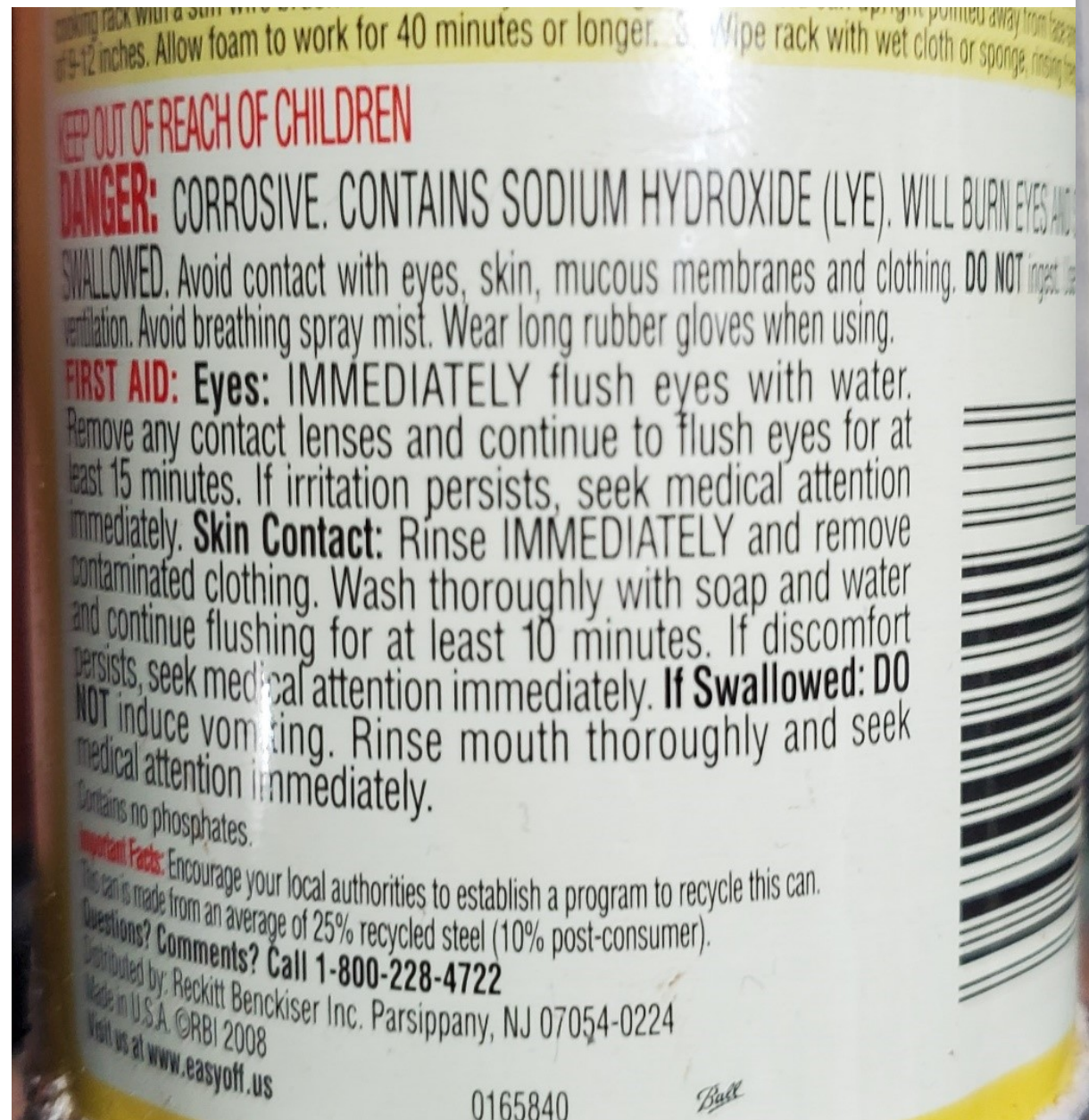
More labels

- Flammable



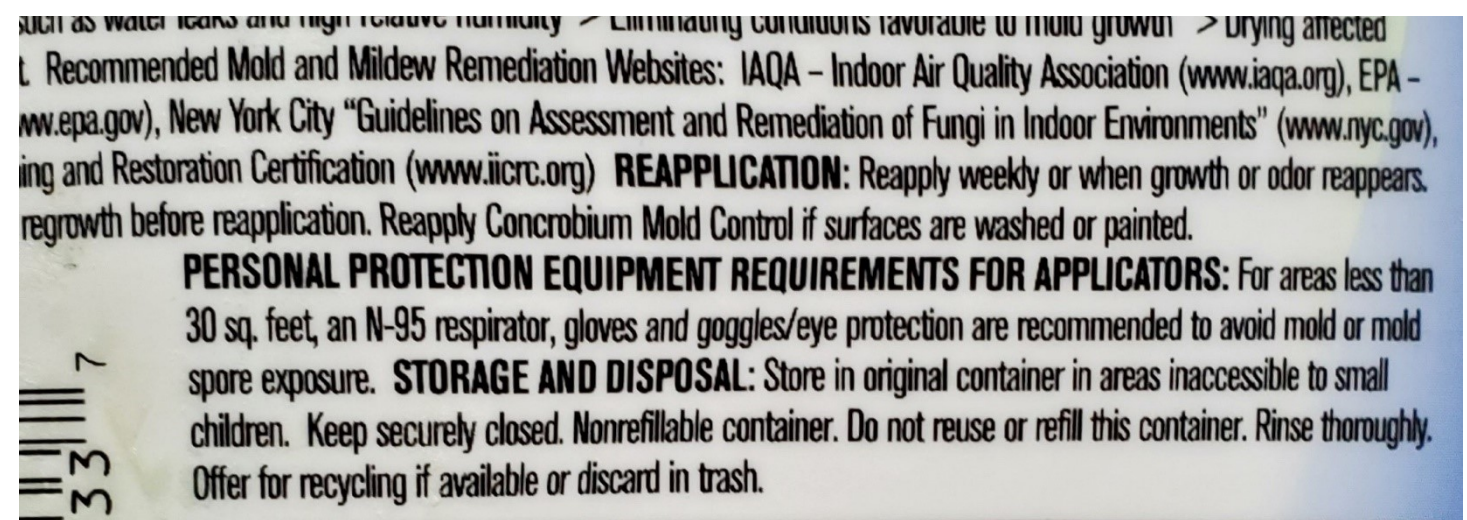
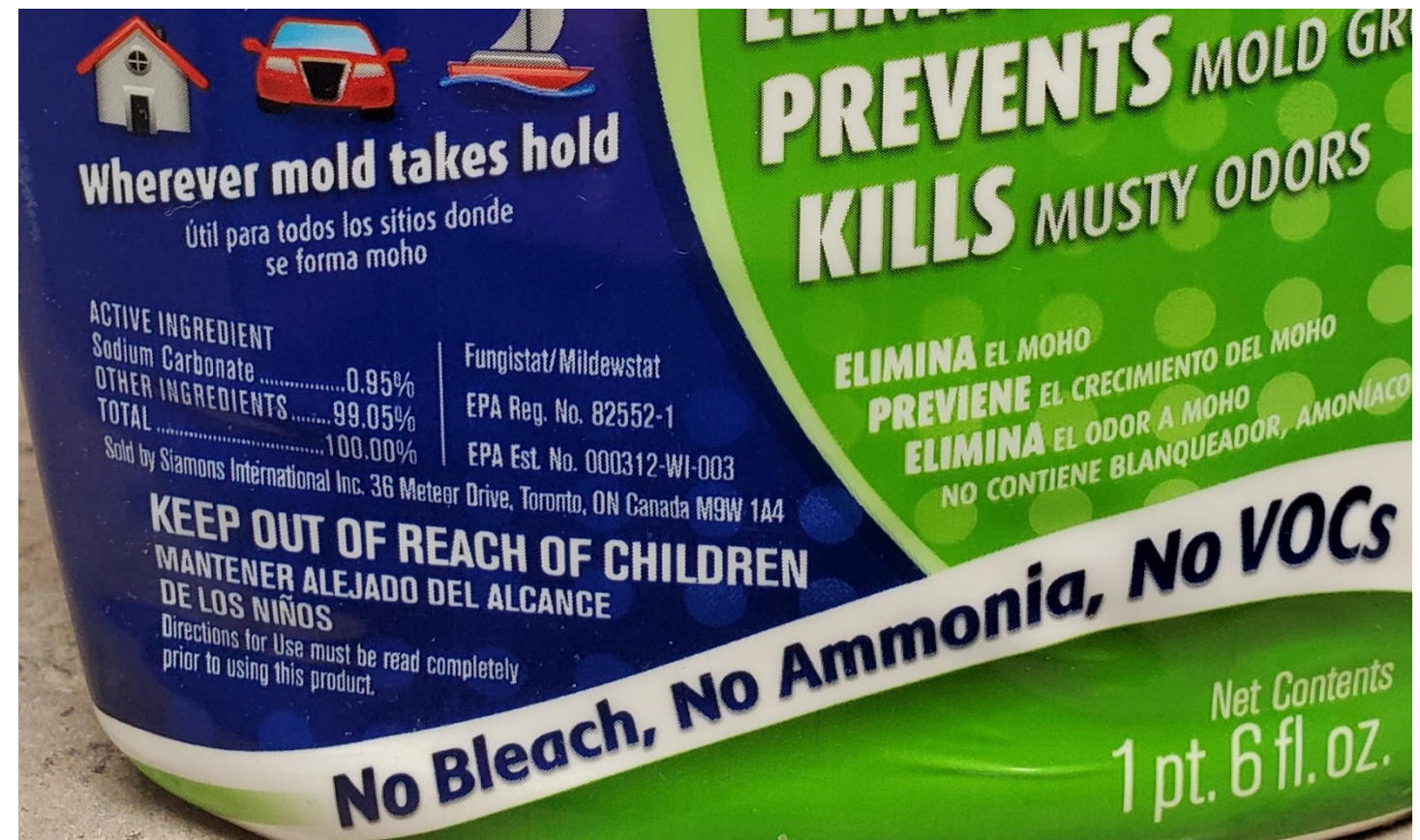
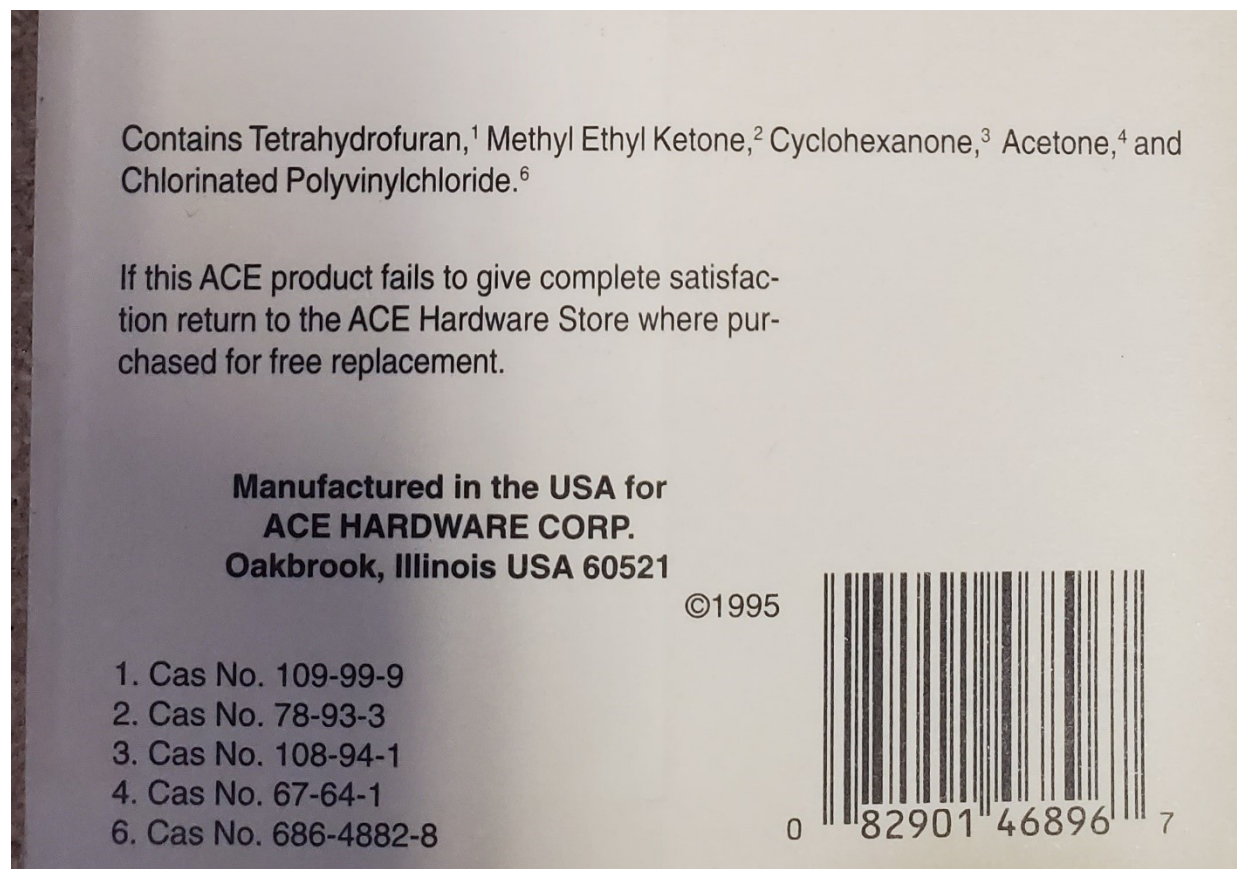
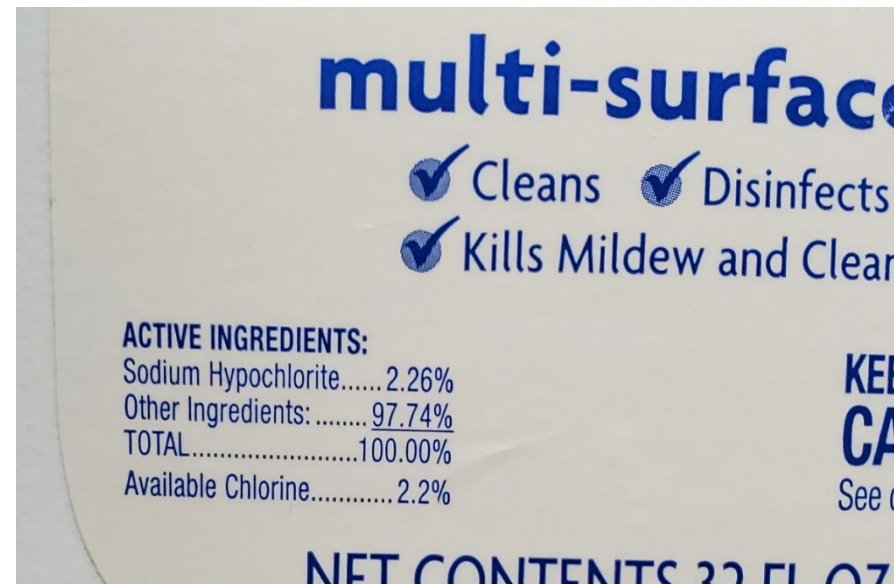
More labels

- Corrosive
- Toxic



More labels

- Toxic



<https://kingcountyhazwastewa.gov/en/households-disposal/households-safer-home-products>

 	 	 	 
Safest	Safe enough	Somewhat harmful	Avoid
Find products with these logos on the front or back. Please note: EPA Safer Choice products are the safest in their class, even if it says CAUTION on the label.	Select products that do NOT have the words CAUTION, WARNING, DANGER or POISON.	Select products that have the words CAUTION or WARNING.	Avoid products with the words DANGER or POISON. They are most harmful for you and your family.

Finding alternatives

- U.S. EPA
 - <http://www2.epa.gov/saferchoice>
 - <https://www.epa.gov/greenerproducts>
 - recent change to hazardous air pollutant list takes 1-bromopropane off safer list



Safer Choice helps consumers, businesses, and purchasers find products that perform and contain ingredients that are safer for human health and the environment. Safer Choice is an [EPA Pollution Prevention \(P2\) program](#), which includes practices that reduce, eliminate, or prevent pollution at its source, such as using safer ingredients in products.



Find Certified Products

- [Browse Safer Choice-Certified Products](#)
- [Browse DfE-Certified Disinfectants](#)

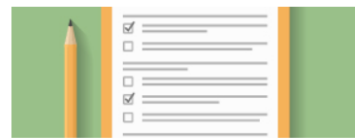


The Safer Choice Label



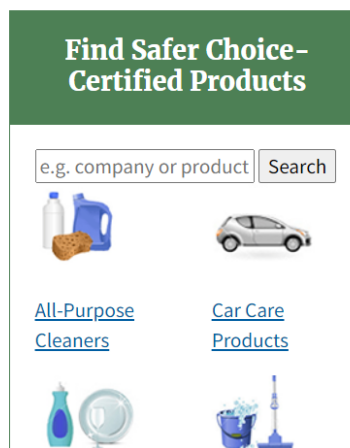
Safer Chemical Ingredients List

- [Safer Chemical Ingredients List \(SCIL\)](#)
- [How to List on SCIL](#)



Manufacturer Resources

- [Tweets about #EPASaferChoice](#) [EXIT](#)
- [Related Programs](#)



Sustainable Marketplace: Greener Products and Services



Recommendations of Specifications, Standards, and Ecolabels for Federal Purchasing

[Browse the product categories.](#)

Finding a safer product

<https://www.epa.gov/saferchoice/products>



We all care about making our homes and workplaces safer. But when it comes to cleaning and other products, it's hard to know which ones contain safer ingredients. That's why EPA created the Safer Choice label – to help you find products made with ingredients that are safer for our families, pets, workplaces, and the environment.

Safer Choice-labeled Products

Safer Choice labels a wide range of products, including:

- All-purpose cleaners
- Appliance cleaners
- Bathroom cleaners
- Car cleaners
- Carpet cleaners
- Degreasers
- Dish detergents
- Floor care products
- Furniture cleaners
- Glass cleaners
- Hand soaps
- Laundry products
- Kitchen and countertop cleaners
- Pet care products
- Wood cleaners

For the full list of products, visit www.epa.gov/saferchoice/products

QUESTIONS?

saferchoice@epa.gov
epa.gov/saferchoice

BENEFITS OF SAFER CHOICE

Products that carry the Safer Choice label have been carefully evaluated by EPA scientists. Every ingredient must meet strict safety criteria for both human health and the environment, including carcinogenicity, reproductive/developmental toxicity, toxicity to aquatic life, and persistence in the environment. Products made with safer chemicals also can improve indoor air quality because fumes from cleaning products can linger long after they have been applied, which can aggravate asthma and other respiratory conditions.



THE SAFER CHOICE DIFFERENCE

Our product review process is grounded in more than 50 years of EPA experience evaluating the human health and environmental characteristics of chemicals.

Products that carry the Safer Choice label must meet requirements for:

- Safer chemical ingredients
- Performance
- Packaging
- Ingredient disclosure
- Volatile Organic Compounds (VOCs)

CONNECT WITH SAFER CHOICE

- Use our hashtag on Twitter: [#EPASaferChoice](https://twitter.com/EPASaferChoice)

Search Safer Choice-Certified Products

Product or Company Name (Optional)

Home or Business Use (Optional) ▼

Show only:

- ☐ Fragrance-free products¹
- ☐ Products with outdoor uses²

Product Type (Optional) ▼

Note: in the product listing, the notation (“ ‡ ”) means that the partner company is overdue for their yearly partnership review with Safer Choice.

Show 25 ▼ entries

Previous 1 Next

Product Name	Company	Sector	Type
Array Ready-to-Use Grill & Oven Cleaner	Gordon Food Service	Business	Oven/Grill/Barbeque Cleaners

Greener products...just to name a few



Some sustainable product links

Other programs and their safer products labels

- USDA BiopREFERRED products: <https://www.biopreferred.gov/BioPreferred/faces/Welcome.xhtml;jsessionid=00840887909F5F6B174F73879A62F5FE>
- USDA Organic products: <https://www.ams.usda.gov/rules-regulations/organic>
- California Safer Consumer Products: <https://dtsc.ca.gov/scp/>

Green Seal programs

- <https://greenseal.org/home-consumers/>

Earth 911 resources

- <https://earth911.com/category/health/>
- <https://earth911.com/category/how-to-recycle/>
- <https://earth911.com/category/home-garden,diy/>

Retail association guidelines for stores

- <https://www.rila.org/retail-compliance-center/store-departments/consumer-products>

EPA resources for consumers

- **Why Buy Greener Products?**

- Products can have a wide variety of potential human health and environmental impacts including:

- [Toxic exposures](#)
 - [Air pollution](#)
 - [Water pollution](#)
 - [Climate change](#)
 - [Natural resource use](#) (e.g., energy, water, materials)
 - [Waste disposal](#)
 - [Ecosystem damages](#)

Natural Products

- Home cleaning recipes
 - <https://www.des.nh.gov/sites/g/files/ehbemt341/files/documents/co-24.pdf>
 - <https://www.goodhousekeeping.com/home/cleaning/tips/a24885/make-at-home-cleaners/>
 - <https://www.familyhandyman.com/project/how-to-make-homemade-cleaner-with-simple-ingredients/>
 - <https://www.realsimple.com/home-organizing/green-living/natural-cleaning-recipes>
 - <https://keeperofthehome.org/homemade-all-natural-cleaning-recipes/>
- Search for your own
 - search by area, surface or material needing cleaning
 - marble or wood have special needs to protect them
 - spot cleaning certain fabrics



Database for business alternatives

- Toxics Use Reduction Institute (TURI)
 - created by University of Massachusetts Lowell
 - testing products and alternative cleaning solutions for 25 years

The screenshot shows the homepage of the CleanerSolutions Database. At the top left is the TURI logo (Toxics Use Reduction Institute, UMass Lowell, Cleaning Laboratory). A dark blue navigation bar contains links: CLEANERSOLUTIONS, VENDORS, FORMS, ABOUT, and CONTACT. The main heading is 'CleanerSolutions Database' with the subtitle 'Solutions for Surface Cleaning'. Below this is a row of five colored buttons: FIND A PRODUCT (dark blue), REPLACE A SOLVENT (blue), SAFETY EVALUATION (green), BROWSE CLIENT TYPES (blue), and PARTS DESCRIPTION SEARCH (dark blue). To the right, a section titled 'Find a Product' includes a search instruction: 'Search for a product that has been tested on a contaminant similar to your own. You can narrow your search by adding in substrates and/or equipment.' Below this are two columns of search filters. The 'Required Field' column has a heading 'Required Field' and a note 'You must select one or more contaminants.' It contains a dropdown menu labeled 'CONTAMINANT' with visible options 'Abrasive' and 'Adhesive'. The 'Optional Fields' column has a heading 'Optional Fields' and a note 'Filter your search by substrate or equipment type, or leave these fields set to Any to include all results for a given contaminant.' It contains two dropdown menus: 'SUBSTRATE' with visible options 'Alloys' and 'Alumina', and 'EQUIPMENT' with visible options 'Brillo pad' and 'Cold Solvent'.

TURI
TOXICS USE REDUCTION INSTITUTE
UMASS LOWELL
Cleaning Laboratory

CLEANERSOLUTIONS ▾ VENDORS ▾ FORMS ▾ ABOUT ▾ CONTACT

CleanerSolutions Database

Solutions for Surface Cleaning

FIND
A PRODUCT

REPLACE
A SOLVENT

SAFETY
EVALUATION

BROWSE
CLIENT TYPES

PARTS
DESCRIPTION
SEARCH

Find a Product

Search for a product that has been tested on a contaminant similar to your own.
You can narrow your search by adding in substrates and/or equipment.

Required Field

You must select one or more contaminants.

CONTAMINANT

Abrasive
Adhesive

Optional Fields

Filter your search by substrate or equipment type, or leave these fields set to Any to include all results for a given contaminant.

SUBSTRATE

Alloys
Alumina

EQUIPMENT

Brillo pad
Cold Solvent

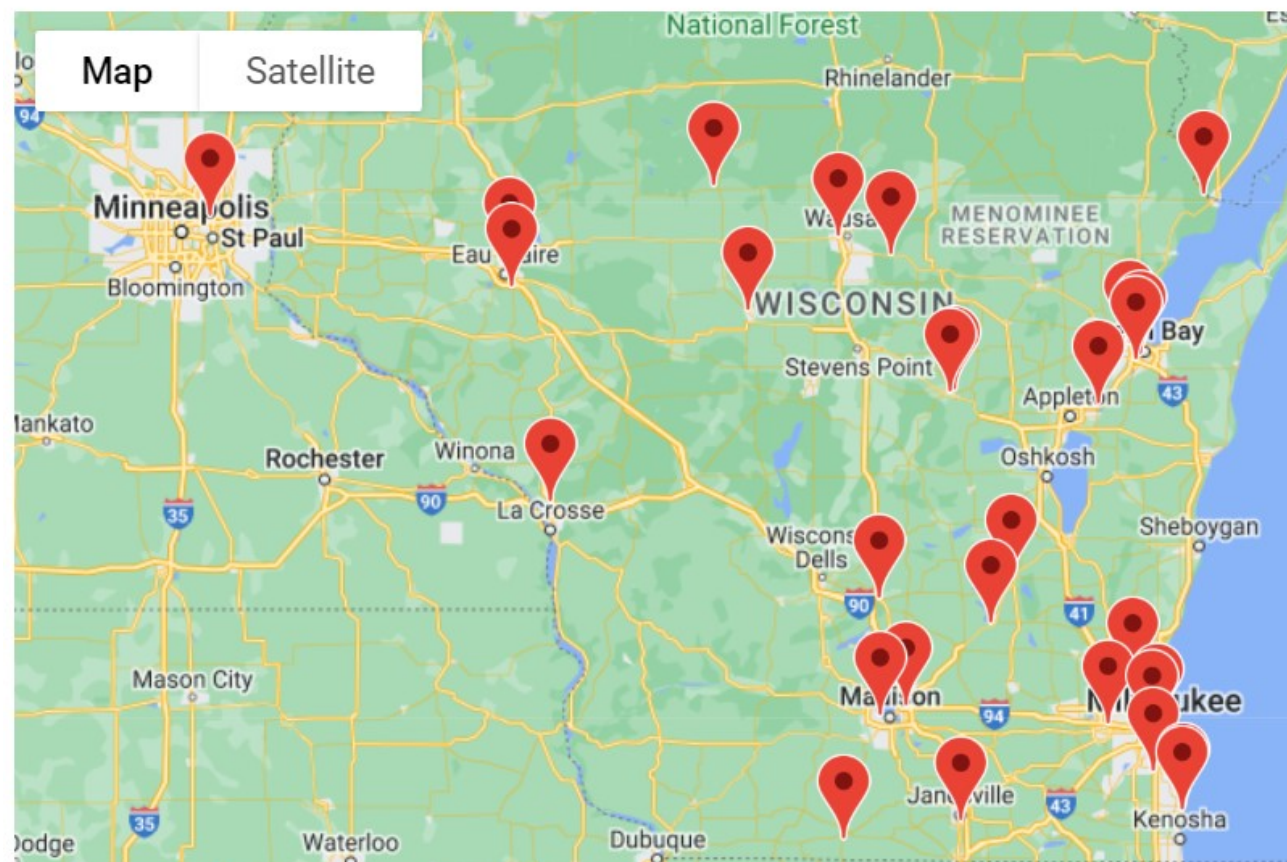
– cleanersolutions.org

Recycling Markets Directory

- University of Wisconsin Green Bay manages a database of materials that can be reused by facilities looking for materials for their manufacturing process
- <https://www.uwgb.edu/solid-hazardous-waste-education-center/>

Showing 1 to 15 of 30 entries

Pre



Industrial Materials

Solvents

Filter Your Results

Name	City	Zip Code	County	State
Alter Trading - Beaver Dam	Beaver Dam	53916	Dodge	WI
Alter Trading - Eau Claire	Eau Claire	54703	Chippewa	WI
Alter Trading - Green Bay	Green Bay	54303	Brown	WI
Alter Trading - Janesville	Janesville	53546	Rock	WI
Alter Trading - Madison	Madison	53714	Dane	WI
Alter Trading - Marinette	Marinette	54143	Marinette	WI
Alter Trading - Marshfield	Marshfield	54449	Wood	WI



Directory Submission

Recycling Markets Directory

When you have waste
that could be reused
by another company,
add the business to
their database

Directory Submission

Please tell us about your business, your contact information, and what materials your business can safely handle. You can use this form to be added to our directory lookup or to update your information if you are already in our system.

Materials Handled By Your Business

Please check all that apply.

Batteries

- Alkaline batteries ☐
- Batteries - other ☐
- Dry cell batteries ☐
- Lead acid batteries ☐
- Li-Ion batteries ☐
- Rechargeable batteries ☐
- Silver oxide batteries ☐

Bulbs

- Bulbs - other ☐
- Fluorescent bulbs ☐
- HID lamps ☐
- Incandescent bulbs ☐
- Lamp ballasts ☐
- LEDs ☐
- Neon lamps - mercury containing ☐

Electronics

- Cathode ray tubes (CRTs) ☐



enviro✓check



DNR's Sustainability & Business Support Section



Support for your business wherever you are on your path to sustainability

Not sure where to start with state or federal rules

Small Business Environmental Assistance Program (SBEAP)

- Free, confidential help with *environmental* rules
- Plain-language explanations and resources
- Trainings, webinars, emission calculators and more
- One-on-one help by phone, or site visits
- On-line resources available 24/7

Helpline: 855-899-3021

E-mail: DNRsmallbusiness@wi.gov

Website: <https://dnr.wi.gov/topic/smallbusiness>



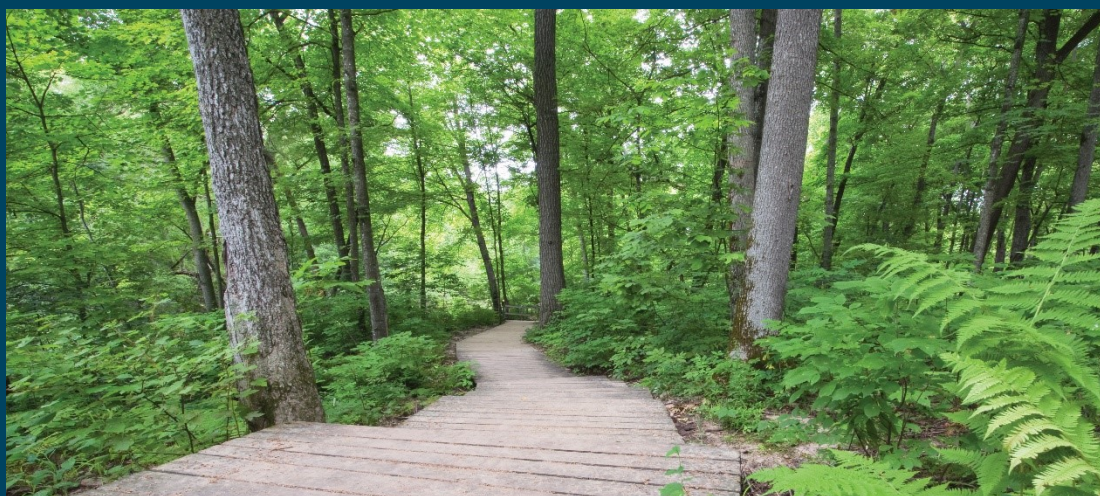
CONNECT WITH US

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/WIDNR



@WIDNR



@WI_DNR



/WIDNRTV



"WILD WISCONSIN:
OFF THE RECORD"