Center for Health, Environment & Justice
PVC Factsheet

CHEJ's Guide to PVC-Free School Office Supplies and Building Materials

PVC is the most toxic plastic for our health and environment, and is widespread in office supplies and building materials. We've created this handy guide to empower you to find healthier products that are free of this unnecessary toxic plastic.

The Center for Health, Environment & Justice (CHEJ) has created this **Guide to PVC-Free School Office Supplies and Building Materials** to empower your K-12 school or college/university to make smarter, healthier purchasing and building choices for a toxic-free future. This guide lists the most common school supplies and building materials made out of polyvinyl chloride (PVC or vinyl) plastic and suggests where to find safer PVC-free alternatives.

Why should your school go PVC-Free?

PVC is *the most toxic plastic* for our health and environment. No other plastic contains or releases as many dangerous chemicals, including dioxins, phthalates, vinyl chloride, ethylene dichloride, lead, cadmium, and organotins. These chemicals are linked to chronic diseases on the rise, such as cancer, asthma, birth defects, reproductive harm, learning disabilities and developmental disabilities. PVC flooring and other products can contribute to poorer indoor air quality in schools as they can off gas phthalates and volatile organic compounds (VOCs). In recent years, a number of studies have found a correlation between phthalates emitted from PVC products like flooring and asthma in children and adults. Asthma is a leading cause of school absenteeism: 14.7 million school days are missed each year due to asthma. While phthalates have been banned in toys, they're widespread in PVC products in schools.

Children are at risk from even small exposures to these toxic chemicals; their developing brains and bodies, their metabolism and behaviors make them uniquely vulnerable to harm from toxic chemicals. Healthy schools free from toxins are critical to a child's health and well-being. Most of the time spent during the years that children's bodily and intellectual capacities are developing is spent inside school buildings. PVC also poses health threats to older college students, professors or teachers, and staff.

Many school supplies, such as binders, computers, and paper clips and many building materials, such as flooring, siding and roofing, are often made out of PVC—an unnecessary toxic plastic that is dangerous to our health and the environment across its lifecycle: from production, to use, to disposal. There's no safe

way to manufacture, use or dispose of PVC products, posing health threats to people who come in contact with PVC all along the way. ***That's why it's important for your school to purchase PVC-Free school supplies and use PVC-Free building materials.***

Companies including Wal-Mart, Target, Apple, and many others have taken steps to reduce or phase out PVC. Over 100 hospitals and healthcare providers have pledged to reduce or phase out PVC and/or phthalates. While companies and institutions are phasing out PVC, it continues to be widespread in schools. The U.S. Green Building Council has recently developed pilot LEED credits that provide incentives for schools to avoid PVC. Fortunately, safer cost-effective alternatives are available.

How to Identify PVC, the Poison Plastic

The key to avoiding PVC products is recognizing them and knowing how to find safer alternatives.

- PVC products are often labeled with the words "vinyl" on the packaging, such as vinyl 3-ring binders
- To identify PVC packaging, first look for the universal recycling symbol. If it has the number "3" inside it, or the letters "V" or "PVC" underneath it, you know the product is made out of PVC. Just remember – bad news comes in #3's, don't buy PVC
- Some products are not properly labeled, making it tough to determine whether they contain PVC. If you're uncertain, e-mail or call the 1-800 number of the manufacturer or retailer and ask what type of plastic their product is made of. You have a right to know.

Where Does Your School's PVC Binder or Flooring Come From?

Mossville, Louisiana is a small African American community that's the vinyl manufacturing capital of America. The area is home to more PVC chemical plants than anywhere else in the country. Communities like Mossville, LA, where PVC is manufactured, is where the chemicals used to make PVC school supplies and building materials – exposing the community and workers to highly toxic chemicals.

In May 2010, CNN's Dr. Sanjay Gupta aired an hour-long special investigating the pollution problems in Mossville. A US EPA study in 1999 found levels of the cancer-causing chemical vinyl chloride (one of the key chemicals used to make PVC) in the air greater than 100 times the state air quality standard. As a result of exposure to pollution, residents suffer from elevated rates of disease. The federal government found alarming results- community members had more than three times the national average of dioxins in their blood, elevated dioxins in breast milk, and high cancer mortality rates. A university study found residents were two to three times more likely to suffer from health problems, including a high incidence of ear, nose and throat illnesses, central nervous system disturbances, and cardiovascular problems, as well as increased skin, digestive, immune and endocrine disorders.

Next time you purchase a PVC product, think about communities such as Mossville, Louisiana where these products are created.

PVC-Free Products and Suppliers

To help your school find PVC-free school supplies and building materials, we've compiled this spreadsheet of companies that offer PVC-free products and where to find them. This list is a starting point - it is not intended to list every single PVC-Free product or manufacturer. Use it as a guide to build your own PVC-Free shopping list. It will help you find safer PVC-Free school supplies and building materials, and can serve as a catalyst for researching and finding the best options for your school.

*A number of these companies also sell products made out of PVC, so be sure to pay attention to the specific PVC-free product names listed herein.

This guide was released in May 2011 and changes to the products listed may have occurred since publication.

Category	School Supply	Retailer or Manufacturer	PVC-Free Products and Alternative Materials	More Information
Academic Supplies	**Binders**	Avery	Certain Avery products are PVC-free including: The Heavy-Duty Binder line, Aluminum Binders, Round Ring Poly Binder, Translucent Active Reference Binder, and Touchgaurd™ Antimicrobial View Binder.	**www.avery.com** (available at most national chains including Staples, CVS, and Target) Also available online.
		Binders.com	Offers PE binders.	**www.binders.com**
		Green Vision	HDPE plastic (recycled) used for covers. Green Vision is a PVC-free source for most all common school supplies. Green Vision operates a program allowing a school to design (color and logo) its own school supplies that are then purchased through Green Vision's website by parents. The program also operates as a fundraising tool since the school receives a rebate on all supplies purchased by parents. Please see the website for more information.	**www.greenvision4biz.com**
		ReBinder	Various sizes. Recycled corrugated cardboard. Can be purchased on several websites.	**www.greenhome.com**
		Red Apple School Supply	Green Apple 3-Ring Recycled Binder, Green Apple View Case Binder.	**www.redappleschoolsupply.com**

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Category	School Supply	Retailer or Manufacturer	PVC-Free Products and Alternative Materials	More Information
Academic Supplies	**Binders**	Storex	All Storex binders are PVC-free.	**www.avery.com** (available at most national chains including Staples, CVS, and Target) Also available online.
		The Green Office	Aurora Products Elements Eco-Friendly Round Ring and Earthview Round Ring Presentation Binder, Recycled PRESSTEX Round Ring Binders, Rebinder Replacement Covers, Cardnial Brands Inc. Lockinbg Round Ring and Nonstick Proview, and others.	**www.thegreenoffice.com**
		The Naked Binder	The Naked Binder, The Classic Binder, The Eames Wrapped Binder, and The Architect Binder (All binders are PVC-free and made from 100% recycled materials).	**www.TheNakedBinder.com**
		Wilson Jones	PVC -free ENVI Customizer Binder available in Standard Line CB, Heavy-Duty CB, and Professional Touch CB.	**www.pvcfreebinder.com.** (available at Staples, Grand and Toy, Office Depot, Buro Plus, Office Plus, Basics, Lyreco)
	Media/ CD/DVD Storage Pages and Sleeves	Avery	CD-ROM binder pages (item 75263). PP: two CD/DVD and booklets per page, 3-hole punched.	**www.avery.com**
		C-Line Products	CD Holders. PP.	**www.c-lineproducts.com**
		Tabbies	PP-punched for 3 ring, self adhesive CD holder, space saving poly CD holder.	**www.tabbies.com**
	Notebook Dividers	Avery	PE, PP dividers.	**www.avery.com** (available at most national chains including Staples, CVS, and Target)
		Better Office	PP line of products.	**www.betteroffice.com**
		Binders.com	PE dividers.	**www.binders.com**

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Academic Supplies	**Notebook Dividers**	Office Depot	Office Depot® Brand Durable Plastic Polyethylene 5-Tab Color Dividers.	**www.officedepot.com**
		Sustainable Group	Retab Binder Divider Tabs (recycled cardboard)	**www.thegreenoffice.com**
	Notebooks	Better Office	Website contains extensive PVC-free school supply product collection.	**www.thebetteroffice.com**
		Green Vision	HDPE plastic (recycled) used for covers.	**www.greenoffice4biz.com**
		Mirage Paper Company	Ecojot Greenlined Journal Notebook. 100% recycled, chlorine-free paper; paperboard cover; vegetable-based inks.	**www.ecojot.com**
		The Green Office	Elements EcoFriendly Binders. Website contains extensive office supply collection.	**www.thegreenoffice.com**
	Organizer/ Phone/Address Book	House of Doolittle	Recycled paper covers and pages with soy ink. **Note** - *One planner, item # 242 has a vinyl cover.*	**www.greenofficesupply.com**
	Paperclips (color)	The Green Office	Plastic Clips.	**www.thegreenoffice.com**
	Pens / Pencils / Erasers / Markers	Bic Corporation	Pens: Ballpoint - Cristal® and Orange™ Line. Added Value Ballpoint - Velocity®, Atlantis™, and Z4®. Pencils: Bicmatic and Bicmatic Refills. Markers: Mark-it® Color/Marking™ Color. Highlighters: Brite Line®/Clic/Grip™. Ecolutions™ line.	**www.bicworld.com**
		Faber-Castell	All Faber-Castell products are PVC-free. The mechanical pencils come in many colors and designs.	**www.faber-castell.com**
		Green Vision	Recycled wood and recycled metal.	**www.greenvision4biz.com**
		Industries of the Blind	All pens are PVC-free.	**www.industriesofthe-blind.com**
		PaperMate	Pens/Pencils: Compostable/biodegradable line of pens and pencils. Erasers: PVC-free erasers available.	**www.papermate.com**

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Academic Supplies	**Pens / Pencils / Erasers / Markers**	Pilot	BeGreen pens.	**www.pilotpen.com**
		The Green Office	GoodKind Pens - Woody Ballpoint and Triggerwood ballpoint pens.	**www.thegreenoffice.com**
		Vegetarian Shoes	Biodegradable pens.	**www.veganessentials.com**
		Zebra Pens	Eco Line pens.	**Available at: www.staples.com and www.officemax.com**
	Planners / Address Books	House of Doolittle	PVC-free planners and agenda books. Soy based ink.	**www.houseofdolittle.com**
		Mirage Paper Company	EcoAgenda: 100 sheets, 6x9".	**www.ecojot.com**
		The Green Office	At-a-glance dayplanners.	**www.thegreenoffice.com**
	Notebook Dividers	Avery	PE, PP dividers.	**www.avery.com** (available at most national chains including Staples, CVS, and Target)
	Report Covers	The Green Office	Pressboard Report Cover With Reinforced Top Hinges, Pressboard Report Covers With Tyvek Reinforced Hinges.	**www.thegreenoffice.com**
	Sheet Protectors	The Green Office	Easy Load Top Loading Recycled Polypropylene Sheet Protectors.	**www.thegreenoffice.com**
Art Supplies	**Aprons and Smocks**	Bumkins	Waterproof Art Smock.	**www.bumkins.com**
		Ecowise	Waterproof Super Art Smock.	**www.ecowise.com**
		Jaq Jaq Bird / Sam and Bellie Products	Dots butterfly and bird apron, birds and owl apron, airplanes apron, and roadways apron.	**www.samandbellie.com**
		The Land of Nod	Colorful art smocks available in a variety of patterns.	**www.landofnod.com**

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Art Supplies	**Modeling Clays**	Crayola	Air-dry clay. Avoid Sculpy and Fimo clay.	**www.crayola.com**
		Makin's Clay	Water based, air-dry clay. Available in a variety of colors.	**Available at www.amazon.com**
		Mary's Soft dough	Chemical free formula: only 7 total ingredients - comes in multiple colors and textures.	**www.softdough.com**
		Play-Doh	Flour-based.	**www.hasbro.com**
Billboards and Banners	**Billboards and Banners**	Eco-Banner	Polyethylene.	**www.ecobanner.com**
		Eco Flexx	100% recyclable PE.	**www.eco-flexx.com**
		HP	*Polypropylene models HEWCG815A and HEWCG816A.*	**www.hp.com**
		Permovable Technologies	Permovable GF40/GF50. Acrylic copolymers, modified acrylic copolymers, cellulosic polymers, and modified cellulosic copolymers.	**www.permovable.com**
Building Materials	**Carpeting**	Beaulieu	All 3 brands are CRI Green Label certified. Nylon face carpeting with backing made of recycled glass, latex, recycled PET, PP, and/or urethane cushioning.	**www.beaulieucommercial.com**
		Construction Specialties	Composite rubber or bitumen backing.	**www.c-sgroup.com**
		Fortune Contract	Polyurethane laminate and foam backing using soy-based polyols, with recycled content.	**www.fortunecarpet.com**
		Lees	Nylon face carpeting with PET, EVA, PU, PVB, and rubber coating.	**www.leescarpet.com**
		Milliken	100% PVC-free. Nylon face carpeting with PU backing.	**www.millikencarpet.com**
		Mohawk	Nylon face carpeting with PET, EVA, PU, PVB, and rubber coating.	**www.mohawkkind.com**
		Nature's Carpet	100% wool with latex backing.	**www.environmental-homecenter.com**

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Building Materials	**Carpeting**	Shaw	100% PVC-free. Nylon face carpeting polyolefin backing. EcoWorx carpet tile also available; contains 40% recycled materials.	**www.shawcontract.com**
		Tandus	C&A floor coverings with Tandus "Ethos" backing. Nylon face carpeting with TPE cushioning/PVB backing made from recycled car windshields. **Note** - *This is the only PVC-free option from Tandus.*	**www.tandus.com**
	Decking	Healthy Building Network	Comprehensive list of PVC-free decking solutions.	**www.healthybuilding.net/pvc/PVCFreeAlts.html**
		Bedford Technology	Select plastic lumber. HDPE, LDPE, 100% recycled plastic lumber.	**www.plasticboards.com**
		CorrectDeck CX	Polypropylene decking and railing products products. 100% PVC-free.	**www.correctdeck.com**
		Millenium Lumber	HDPE, LDPE 100% recycled plastic lumber.	**www.bjmindustries.com**
		PlasTEAK	HDPE 100% recycled plastic lumber.	**www.plasteak.com**
		The Plastic Lumber Company	Leisure deck. HDPE 80-95% recycled plastic lumber.	**www.plasticlumber.com**
	Fencing	Grange Fencing	FSC certified wood.	**www.grange-fencing.com**
		Master Halco	Iron, wood, and chain-link fences.	**www.masterhalco.com**
	Flooring	Altro	PVC-free commerical sheet flooring. Contains 25% pre-consumer recycled content, bacteria resistant (inhibits the growth of MRSA) and ant-static, low VOC emiting. **Note** - *This company also sells PVC flooring.*	**www.healthybuilding.net/pvc/PVCFreeAlts.html**
		Amtico Company	Stratica. Chlorine-free Surlynl backing is mineral filled ethylene copolymer; no plasticizers; low-VOC adhesive.	**www.amtico.com**

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Building Materials	**Flooring**	Architectural Flooring Systems	Envirofloor. Rubber.	**www.4afs.com**
		Armstrong	Marmorette, Linorette, Cloroette, Uni Walton, and Granette brands. Natural linoleum (linseed oil, wood powder, and pigments).	**www.armstrong.com**
		Ceres Natural Flooring	WELS sheet flooring - polyurethane. Sequia Plank. Also LifeLine LT. Calcium carbonate, thermoplastic polymer, titanium dioxide, and additional pigments, with acrylic polymer ionomer wear layer.	**www.ceresnaturalfloors.com**
		Forbo	Marmoleum Linoleum. Linseed oil and rosin binder mixed with limestone and woodflourm pressed on a jute backing. **Note** - *This company also makes PVC flooring.*	**www.forboflooringna.com**
		Integra Floors	Ceramic tiles, cork, linoleum, marble, rubber, stone, terrazzos, wood. **Note** - *This company also makes PVC flooring.*	**www.integrafloors.com**
		Johnsonite	Linoleum (linseed oil, wood and cork flour, limestone and rubber) and rubber flooring. **Note** - *This company also makes PVC flooring.*	**www.johnsonite.com**
		Mohawk	Ceramic tile, hardwood, laminate. **Note** - *This company also makes PVC flooring.*	**www.mohawkkind.com**
		Shaw	Ceramic tile, hardwood, laminate (melamine and wood fiber).	**www.shaw.com**
		UpoFloor	Natural Minerals and thermoplastic polymers.	**www.lifeline floors.com**
	Piping ***(Note - This section is organized by piping material)***	Healthy Building Network	Comprehensive list of PVC-free piping solutions.	**www.healthybuilding.net/pvc/PVCFreeAlts.html**
		Construction Specialties	Various manufacturers. *Used in conduit and ducting piping.*	**www.aluminum.org**

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Building Materials	**Piping** ***(Note - This section is organized by piping material)***	Cast Iron	Various manufacturers including: AB&I Foundry, AB&I Service Center, Charlotte Pipe & Foundry, Tyler Coupling, Tyler Pipe, and Tyler Pipe Service Center. Consult website for contact information. *Used in agriculture and drainage piping.*	**www.cispi.org**
		Concrete	Various manufacturers - consult website for full listing and contact information. *Used in water, sewer, agriculture, and drainage piping.*	**www.concrete-pipe.org**
		Copper	Various manufacturers - consult website for full listing and contact information. *Used in water, drawing, waste and vent piping.*	**www.copper.org**
		Ductile Iron	Various manufacturers - consult website for full listing and contact information. *Used in water piping.*	**www.dipra.org**
		HDPE	Various manufacturers - consult website for full listing and contact information. *Used in water, sewer, conduit and draining, and agriculture and drainage piping.*	**www.plasticpipe.org**
		PEX	Various manufacturers - consult website for full listing and contact information. *Used in water and drain, waste and vent piping.*	**www.pexinfo.com**
		Steel	Various manufacturers - consult website for full listing and contact information. Website includes comprehensive listing by region. *Used in conduit and ducting piping.*	**www.ncspa.org**
	Roofing	Healthy Building Network	Comprehensive list of PVC-free roofing solutions.	**www.healthybuilding.net/pvc/PVCFreeAlts.html**
		Carlisle SynTec	TPO and EPDM.	**www.carlisle-syntec.com**

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Building Materials	**Roofing**	Firestone Building Products	TPO and EPDM.	**www.firestonebpco.com**
		John Mansville	TPO and EPDM. **Note** - *This company also sells PVC roofing.*	**www.jm.com**
	Siding	Healthy Building Network	Comprehensive list of PVC-free roofing solutions.	**www.healthybuilding.net/pvc/PVCFreeAlts.html**
		Alcoa Mastic	Various aluminum siding styles. **Note** - *This company also sells PVC siding.*	**www.mastic.com**
		Brick	Various manufacturers and distrbutors listed on website.	**www.gobrick.com**
		Forest Stewardship Council (FSC) *(not a company but a sustainable wood certification program).*	Various manufacturers such as Almquist Lumber, CederPro, Menominee Tribal Enterprisesm, and Windfall Lumber.	**www.fscus.org**
		James Hardie	Hardie Board. Fiber-cement.	**www.jameshardie.com**
		Louisiana Pacific	Smart Side. Various woods and styles.	**www.lpcorp.com**
		Nailite	RoughSawn, Cedarm HandSplite Shake, Cedar Prize Ezm Cape Cod Perfection EZ, Perfection Plus Cedar, Scalloped Perfection, Hand Laid Brick, Hand-Cut Stone. Polyproplene.	**www.nailiteinternational.com**
		Paragon Plastic Sheet	HDPE.	**www.paragonplastic-sheet.com**
		Stucco	Various manufacturers such as Arcusstone Products, BMI Products, California Stucco Products Corp., Eagle Building Materials, Expo Stucco Products, E-Z Haul Ready Mix, Imasco Minerals, Magna-Wall Stucco Systems, Merlex Stucco, Mission Stucco, Omega Products, Parex Lahabra, Sacramento Stucco, Shamrock Stucco, Somar Industriesm Squires Beltm Stonewall of Neveda, Stucco Supply, and Valley Stucco.	**www.stuccomfgassoc.com**

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Building Materials	**Siding**	The Collins Company	TruWood Siding. FSC certified version available.	**www.collinswood.com**
	Wall Coverings	EnviroTek Wall System	GreenGaurd certified.	**www.envirotek.com**
		Len-Tex Wall Coverings	Various materials including polyethylene. **Note -** *Some of this company's products contain PVC.*	**www.lentexcorp.com**
		Xorel	Polyethylene. All of their products are PVC-free.	**www.xorel.com**
	Windows and Doors	Anderson Windows	*Wood. FSC certified models available. Note - Some of this company's products contain PVC.*	**www.plasticpipe.org**
		JELD WEN	*Wood and wood clad. Note - This company also sells PVC products.*	**www.pexinfo.com**
		Milgard Windows	*Wood, fiberglass, and aluminum windows. Note - This company also sells PVC windows.*	**www.ncspa.org**
		Pella	Wood. Note - This company also sells PVC windows.	**www.healthybuilding.net/pvc/PVCFreeAlts.html**
		Weathershield Windows	Wood.	**www.carlisle-syntec.com**
Electronics	**Cell Phones**	Apple	All Apple cell phones are PVC-free.	**www.apple.com**
		Motorola	MOTOCUBO A45 ECO - PVC/BFR-free, 25% of the casing is made from recycled plastic bottles. **MOTO 233 RENEW** - PVC/BFR-free. 25% post consumer recycled materials.	**www.motorola.com**
		Nokia	All new Nokia products (after 2007) are PVC-free.	**www.nokia.com**
		Palm	All Palm phones are 100% PVC-free.	**www.palm.com**
		Samsung	All new models after April 2010 are PVC-free. Prior to April 2010 models M560 and Reclaim are PVC-free.	**www.samsung.com**

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Electronics	**Cell Phones**	Sony Ericsson	All new Sony Ericsson phones are PVC-free.	**www.sonyericsson.com**
	Computer Monitors	Acer	*The following models are BFR/PVC-free with the exception of the external power cords: G24,V174, B174, V194HQ, V194, B193, V194W, B194W, V204H, V224HQ, V224W, B224W, V234H, B234HU, B244W, and V244W.*	**www.acer-group.com**
		Apple	All Apple monitors are 100% PVC-free including the power cord.	**www.apple.com**
		Dell	G-series moniters.	**www.dell.com**
		HP/Compaq	LA22f WLED LCD, LE19f WLED LCD, and 2009m.	**www.hp.com/ecosolutions**
		Lenovo	ThinkVision Series models L2440x Wide and L2251x Wide.	**www.lenovo.org**
		Samsung	All LCD panels are PVC-free.	**www.samsung.com**
	Desktop Computers	Acer	Veriton M490G and Veriton X490G.	**www.acer-group.com**
		Apple	All Apple desktop computers are 100% PVC-free including all power cords and moniters.	**www.apple.com**
		HP/Compaq	**8000f Elite Buisness PC / 800f Elite Ultra Slim desktop** is 100% PVC-free including the mouse. The **5310 Notebook PC** is available in a PVC-free configuration with the exception of the power cord. **HP All-In-One 200 Series** contains BFR/PVC-free components. **HP Compaq 6005 Pro Ultra Slim**, or **USDT**, is completey BFR/PVC-free.	**www.hp.com/ecosolutions**
		Wipro	Greenware PCs.	**www.wipro.com**
	Disk Drives	Fujitsu	**Hard Disk Drive Models:** MBD2-RC, MBE2-RC, CinemaStar C5K500.	**www.fujitsu.com/us**
		Hitachi	**Disk Drive Models:** Deskstar 7k2000, 7k1000.C, Ultrastar 7k5000, Travelstar 5k500, 5k500.B, Cinemaster 7k1000.C, and 5k1000.	**www.hitachigst.com**

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Electronics	**Disk Drives**	LG	**Optical Disk Drive Models:** RU2 and JD11.	**www.lg.com**
	Flash Drives	Active Media Products	Sold as endangered species trio or separately as Panda, Penguin, and Polar bear. Koala also available.	**www.activemp.com** (available at **www.amazon.com**).
		GreenVision	Bamboo cased flash drives. See Notebooks section above for information on Green Vision	**www.greenvision4biz.com**
	Mice	Apple	All Apple mice are 100% PVC-free. All mice are wireless and therefore do not have a power cord.	**www.apple.com**
		HP	Wireless Eco Comfort Mouse. PVC free, energy efficiant, packaging made of 76% recycled materials. Mouse made of 30% recycled plastic.	**www.hp.com/ecosolutions**
	Motherboard	Asus	P5Q Deluxe	**http://usa.asus.com**
	Laptops	Apple	All Apple laptops are PVC-free including all power cords.	**www.apple.com**
		Asus	Eee PC gooA	**http://usa.asus.com**
		HP	Select models are PVC-free including: EliteBook 8440p/w, 8540p/w, 8740w, and 8540w, and the TouchSmart tm2 Laptop.	**www.hp.com/ecosolutions**
		Nokia	Mini laptop Booklet 3G.	**www.nokia.com**
		Sony	Vaio models - PVC-free on the exterior casing and cables, but some PVC is still used internally.	**www.sony.com**
		Toshiba	Notebook PC, Portege R500, R600/SS Rx2, and R600/NX are BFR/PVC-free with the exception of the external power cord.	**www.toshiba.co.jp**
	Server	Asus	Z8PE-D12X	**http://usa.asus.com**
	Floor Mats	Titan International	Polyproplene.	**www.titanmats.com**

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Furniture	**Furniture**	Herman Miller	Chairs: Celle, Caper, Limerick, Mirra, Foray (Seating: TPU and self-skinning PU foam as replacements for PVC armpads); Filing and Storage: Meridian Pedastals, Tu Pedestals (Filing and storage products are made of nylon and TPU); Systems: My Studio Environments (My Studio: cross-linked PE, and styrenic block copolymer elastomers: type of TPE).	**www.hermanmiller.com**
		IKEA	PE, PU, plywood, polyester fiber, solid wood, textiles, waterfowl feathers.	**www.ikea.com**
		Knoll	Life chair: aluminum steel, glass filled nylon. Available in plastic and aluminum base.	**www.knoll.com**
		Steelcase	Items marked as PVC-free/Cradle-to-Cradle certified, including: Answer system, Montage system, Pathways Post and Beam system, Siento chair, etc. Recycled aluminum, leather, water blown cushioning foam, etc. Steelcase has set goal to be 100% PVC free by 2012. Offers 17 solid colors and 7 wood grain edge bands are now PVC-free. These lines include: c:scape, media:scape, Universial Worksurfaces (including knife-edge tops), Universial Storagem Duop, i2i tablet armchairsm Elective Elements 6, Details AdjusTablesm Kickm Currency, Groupwork, and Jenny tables and tablet arm chanirs. Steelcase has replaced PVC withg a polyolefin blend.	**www.steelcase.com**
		Teknion	Contessa chair. Mesh.	**www.teknion.com**
	Outdoor Furniture	Bench Express	Recycled Steel.	**www.benchexpress.org**
		Lifetime	HDPE.	**www.lifetime.com**
		Loll	HDPE.	**www.lolldesigns.com**
		Vivaterra	Recycled oak wood (froom wine barrels).	**www.vivaterra.com**

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Category	School Supply	Retailer or Manufacturer	PVC-Free Products and Alternative Materials	More Information
Furniture	**Playground Equipment**	Ecoplay by Safeplay Systems	Equipment is made from HDPE.	**www.safeplaysystems.com**
		Northwest Playground Equipment, Inc.	Offers PVC-free playground equipment.	**www.nwplayground.com**
		Playworld Systems, Inc.	All commercial playground equipment is 99.999% PVC-free.	**www.playworldsystems.com**
Kitchen and Dining Products	**Aprons**	Domestic Diva	100% Cotton.	**www.bedbathandbeyond.com**
		Kitchensmar	100% Cotton.	**www.bedbathandbeyond.com**
		MU Kitcher	100% Cotton.	**www.bedbathandbeyond.com**
	Dish Drying Racks	IKEA	Magasin (solid pine wood); Ordning (stainless steel).	**www.ikea.com**
		Bed Bath and Beyond	Grass Dish Drying Rack is BPA, PVC, and Phalate free.	**www.bedbathandbeyond.com**
	Drinking Straws	Earth Straws	Biodegradable, starch based resigns.	**www.earthstraws.com**
		IKEA	Sommar (PP).	**www.ikea.com**
		Mighty Nest	Glass straws.	**www.mightynest.com**
	Eating Utensils	Cereplast	Starch-based plastic (with small amount of petroleum derived plastic).	**www.cereplast.com**
		Recycline	Recycled PP.	**www.recycline.com**
	Food Wrap and Packaging	Farberware	Containers: PP.	**www.costco.com**
		Glad	HDPE, LDPE, PP.	**Available at most grocery stores.**
		Greenfeet	PVC-free plastic.	**www.greenfeet.com**
		Natural Value	HDPE, LDPE, PP.	**www.kmart.com**
		Reusuablebags.com	ACME Bags Recycled cotton lunch bags, ACME Bags recycled PET thermal lunch bags, Built NY lunch bags, Kids Konserve Waste-Free lunch kit, Mimi the Sardine cloth lunch bags - all PVC-free and lead-free.	**www.reusablebags.com**

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Category	School Supply	Retailer or Manufacturer	PVC-Free Products and Alternative Materials	More Information
Kitchen and Dining Products	**Food Wrap and Packaging**	Rubbermaid	HDPE, LDPE, PP. **Note** - *Rubbermaid does use polycarbonate plastic in some of its products. They are labeled on their website.*	**www.rubbermaid.com**
		Saran Wrap	Premium Wrap, Cling Plus Wrap, both made out of polyethylene. **Note** - The original Saran Wrap was made out of PVC but SC Johnson reformulated the product to remove all PVC.	**www.saranbrands.com Available at most grocery stores.**
		The Soft Landing	All products are PVC, BHA, and phthalate free including Kids Konserve Waste-Free lunch kit, Aladdin Lunch & Go, Laptop Lunch Kit, Olunchbox Kit, Built NY lunch bag.	**www.thesoftlanding.com**
		Tin Box Company	Tin lunchboxes.	**www.tinboxco.com**
		Tupperware	HDPE, LDPE, PP. Note - Polycarbonate is used in the following products and should be avoided - Rock 'N Serve Line, Heat 'N Serve, Pizza Keep' N Heat container, the base of the Meals-inMinutes Microsteamer, Sheerly Elegant Line, Table Collection, Prisims, Candy Dish, Olive Oil bottlem and from time to time tumblers.	**www.tupperware.com**
		Ziploc	HDPE, LDPE, PP.	**Available at most grocery stores.**
Kitchen and Dining Textiles	**Placemats**	Bambu	Bamboo.	**wwwgreenfeet.com**
		Britta	PP.	**www.ikea.com**
		Crocodile Creek	Variety of placemats available. All placemats are made from polypropylene and are PVC-free.	**www.crocodilecreek.com**
		Mimi the Sardine	Cotton coated with acrylic.	**www.mimithesardine.com**
	Table Cloths	Casual Home	Cotton.	**www.target.com**
		IKEA	Acrylic fabrics, cotton, polyester.	**www.ikea.com**
		Kmart	Essential Home. Cotton, polyester, lace.	**www.kmart.com**

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Category	School Supply	Retailer or Manufacturer	PVC-Free Products and Alternative Materials	More Information
Shower Curtains and Liners	**Shower Curtains**	Bed Bath and Beyond	Large selection of fabric shower curtains. Also carry 100% PVC-free shower curtains made from 100% non-chlorinated EVA and eco-friendly PEVA. **Note** - *This company also sells PVC shower curtains. Please be sure to check the labels.*	**www.bedbathandbeyond.com**
		IKEA	Selection of polyester shower curtains.	**www.ikea.com**
		JCPenny	Fabric curtains including polyester and cotton.	**www.jcpenny.com**
		RealGoods	Selection of fabric and EVA shower curtains.	**www.realgoods.com**
		Sears	Fabric and PEVA curtains available. **Note** - *This company also sells PVC curtains. Please be sure to check the labels.*	**www.sears.com**
		SMART by Simple Memory Art	Line of PVC-free shower curtains made out of EVA (70%) and PE (30%).	**www.amazon.com**
		Target	Large selection of polyester fabric, PEVA, and EVA shower curtains. **Note** - *This company also sells PVC shower curtains. Please be sure to check the labels.*	**www.target.com**
		Vita Futura	Large selection of PVC-free shower curtains. Curtains are made from 100% EVA.	**www.vitafutura.com**
	Shower Curtain Liners	Bed Bath and Beyond	PVC-free liners made from EVA, Nylon, Linen, and Polyester. The Nylon liners are mold and allergen resistant. **Note** - *This company also sells PVC liners. Please be sure to check the labels.*	**www.target.com**
		JCPenny	PEVA and polyester liners available.	**www.JCPenny.com**
		Kmart	PEVA, nylon, and polyester liners available.	**www.kmart.com**
		Target	PVC-free liners made from polyester, EVA, and PEVA are available. **Note** - *This company also sells PVC liners. Please be sure to check the labels.*	**www.target.com**

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Category	School Supply	Retailer or Manufacturer	PVC-Free Products and Alternative Materials	More Information
Sporting Goods	**Shower Curtain Liners**	Sears	Polyester, nylon, and PEVA liners available.	**www.sears.com**
	Other PE Equipment	Cartwheel Factory	This Company offers a variety of PE equipment that is PVC-free including: **Cones** in a variety of shapes, sizes, and colors; available in PE, Poly, and EVA. Scooters available in a variety of colors, with or without handles; PE. **Pingpong paddles** available in PP. Pinnes available in nylon mesh in a variety of colors and styles. Jump ropes available in a variety of styles and colors; cotton rope, nylon mesh, and PP. **Note** - *This company also sells PVC products. Check items prior to purchase.*	**www.cartwheelfactory.com**
	Yoga Mats	Crescent Moon Yoga	Earth friendly eco mat. Jute, rubber, TPE.	**www.crecentmoonyoga.com**
		Eco Yoga Mat	Jute, rubber.	**www.barefootyoga.com**
		Gaiam	Earth Lovers (cotton), Premium Eco Natural Rubber Yoga Mat and reversible yoga mats (cotton, rubber or combination - latex free). **Note** - *This company sells other yoga mats made with PVC.*	**www.gaiam.com**
		Health & Yoga	Grass mat w/cotton canvas border, latex backing.	**www.healthandyoga.com**
		Hugger Mugger	Earth Elements Mat. Latex and rubber free TPE. **Note** - *Other yoga mats contain PVC.*	**www.huggermugger.com**
		Jade Yoga	Various designs. Rubber.	**www.jadeyoga.com**
		Lotuspad	Various designs. TPE.	**www.lotuspadyogamats.com**
		Manduka	Eko mat. Rubber.	**www.manduka.com**
		Natural Fitness	National rubber yoga mat - professional.	**www.naturalfitnessinc.com**
		Nike	Style FE0140. TPE, latex-free.	**www.nike.com**
		NU Source	Terra Pure mat. TPE. **Note** - *Other mats from Nu Source contain PVC.*	**www.nu-source.com**

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Category	School Supply	Retailer or Manufacturer	PVC-Free Products and Alternative Materials	More Information
	Yoga Mats	Yogitoes	PVC and latex free yoga mats.	**Available at www.amazon.com**
Textiles	**Window Treatments**	Designtex	Beechwood cellulose fiber (Climatex), nylon, polyester, wool, etc. All draperies, screens, and shades are PVC-free.	**www.dtex.com**
		Draper	Mesh Shades: Hexcel acrylic coated fiberglass yarn. Mesh Fabrics: Terra, Vela, Infinity. Blackout Shades: fiberglass or polyester with acrylic coating. Blackout Fabrics: Flocke, Roc-Rol, SW7000.	**www.draperinc.com**
		IKEA	Bamboo.	**www.ikea.com**
		InPro Corp.	Avora® and Trevira CS. Polyester.	**www.inprocorp.com**
		Kona Roman Shade	Bamboo, linen/cotton blend.	**www.target.com**
		Lutron	SheerNature fabrics only. Hexcel glass fabric.	**www.vimco.com**
		Nysan	GreenScreen internal/external roller shades. Trevira© CS polyester fabric with PU coating.	**www.nysan.com**
		Target	Global Home Ivory. Jute.	**www.target.com**

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Companies – Want to Be in the Guide?

We may publish an updated version of this guide next year, so please send us information about your company's products if you'd like to be listed in future editions. To be considered, please e-mail mike@chej.org with the subject "PVC-Free products."

Learn More & Get Involved!

We hope you find these tips useful as you purchase PVC-Free school supplies and building materials. Visit our website at www.chej.org/campaigns/pvc to sign up for our PVC-free schools e-mail list and learn more ways you can create and sustain a healthy environment for your school community!

About the Center for Health, Environment & Justice (CHEJ)

CHEJ mentors the movement to build healthier communities by empowering people to prevent the harm caused by chemical and toxic threats. We accomplish our work by connecting local community groups to national initiatives and corporate campaigns. CHEJ works with communities to empower groups by providing the tools, strategic vision, and encouragement they need to advocate for human health and the prevention of harm.

Following her successful effort to prevent further harm for families living in contaminated Love Canal, Lois Gibbs founded CHEJ in 1981 to continue the journey. To date, CHEJ has assisted over 10,000 groups nationwide. Details on CHEJ's efforts to help families and communities prevent harm can be found on www.chej.org.

30 Years CHEJ Mentor Empower Protect

What Can I Do? Take Action for Healthy PVC-Free Schools

Safer and cost-effective alternatives are already available for virtually every PVC product in our nation's schools. Here's how you can help today:

- **Encourage your school** to renovate or build their school with PVC-free building materials such as PVC-free linoleum flooring and TPO roofing.
- **Encourage your school district, county or state** to adopt a healthy PVC-free policy to avoid the use of PVC building materials and office supplies in favor of safer cost-effective alternatives.
- **Educate parents, teachers and students! Organize a screening of Blue Vinyl and Sam Suds** for your PTA, teacher's union, or concerned students.
- **Encourage organizations**, such as teacher's unions and parenting groups, to endorse the campaign.
- **Back to school – go PVC-free!** When buying your back-to-school supplies, shop for PVC-free products.
- **Get involved today!** If you're interested in getting involved, contact CHEJ at mike@chej.org or 212-964-3680.

Center for Health, Environment and Justice (CHEJ)
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