

Alternatives* to Polyvinyl Chloride (PVC) and Di(2-Ethylhexyl) Phthalate (DEHP) Medical Devices

Products detailed in this publication include:

Accessories - NICU <ul style="list-style-type: none"> ■ armbands ■ eye shields ■ noise attenuators ■ phototherapy diapers 	Feeding Tubes and Accessories <ul style="list-style-type: none"> ■ gastrostomy tubes ■ nasoenteric tubes ■ nasogastric tubes ■ nasojejunal tubes ■ pediatric clear straight catheters ■ PEG tubes 	<ul style="list-style-type: none"> ■ oxygen hoods ■ sleep apnea tubes ■ tracheostomy tubes ■ transtracheal oxygen catheter ■ voice prosthesis products
Ambulatory Products	Floor Pads	Shower Curtains
Bags, Non-sterilized	Gloves, Examination	Sump Tubes
Bags, Sterilized	Gloves, Surgical	Total Parenteral Nutrition <ul style="list-style-type: none"> ■ bags ■ catheters ■ tubing
Bedding and Padding Products	Gynecological	Tubing, Medical and Surgical
Blood Pressure Cuffs	Intravenous (IV) Products <ul style="list-style-type: none"> ■ administration sets ■ anti-coring needles ■ IV bags ■ IV tubing 	Umbilical Vessel Catheters
Blood Products: <ul style="list-style-type: none"> ■ blood bags ■ blood filters 	Irrigation/Drainage <ul style="list-style-type: none"> ■ drains ■ irrigation containers ■ mediastinal catheter ■ nephrostomy catheters ■ surgical and wound drains ■ thoracic catheters 	Urinary Catheters <ul style="list-style-type: none"> ■ Foley catheters ■ urethral catheters for pediatrics ■ urinary catheters
Body Bags	Medical Film	Vascular Catheters <ul style="list-style-type: none"> ■ central venous catheters ■ introcan safety catheters ■ midline catheters ■ percutaneous catheter introducers ■ peripheral IV catheters ■ peripherally-inserted central catheters (PICC)
Breast Pumps	Patient ID Bracelets	
Compression Devices	Plastic Bags and Wrap	
Diagnostic Equipment <ul style="list-style-type: none"> ■ sampling kits 	Radiation Aprons and Shields	
Dialysis, Hemodialysis <ul style="list-style-type: none"> ■ hemodialysis catheters ■ cartridge blood sets 	Respiratory Therapy Products <ul style="list-style-type: none"> ■ Berman airways ■ Cricothyrotomy kits ■ endotracheal tubes ■ epistaxis catheters ■ intubation sets ■ laryngectomy tubes ■ masks, aerosol and oxygen ■ nasal and turbinate stents 	
Dialysis, Peritoneal <ul style="list-style-type: none"> ■ Cruz catheters ■ rigid dialysate containers ■ peritoneal catheters 		
ECG Electrodes		
Enteral Feeding Sets <ul style="list-style-type: none"> ■ bags and tubing ■ extension sets 		
Epidural Catheters		

* Health Care Without Harm does not endorse any of these products, has not tested them for safety or efficacy, and does not take responsibility for the accuracy of the information or product performance. Listing here is based solely on information provided by the manufacturer. Non-PVC products may contain much smaller amounts of DEHP. Flexible PVC-free products still must be tested to ascertain whether they are in fact DEHP-free. Products that contain latex and chlorine are excluded from this table: latex products because of concerns over latex allergies and chlorine containing products because of concerns over lifecycle hazards. For the few product categories where PVC-free products are limited or not available, only products that are DEHP-free are identified (i.e., they are PVC but do not contain DEHP). This table is a work-in-progress.

Sources: Sustainable Hospitals Project, see <http://sustainablehospitals.org> (Lowell: Sustainable Hospitals Project, UMass Lowell); and Tickner, Joel, et al, 1999, The Use of Di-2-Ethylhexyl Phthalate in PVC Medical Devices: Exposure, Toxicity, and Alternatives (Lowell: Lowell Center for Sustainable Production, UMass Lowell); and all information was verified through telephone contacts with manufacturer representatives or review of manufacturer website information.

Alternatives to Polyvinyl Chloride (PVC) and Di(2-Ethylhexyl) Phthalate (DEHP) Medical Devices (Part 1 of 13)

Products	Manufacturer	Telephone	Web Page	Material	Comments
Accessories - NICU	CAS Medical	800.227.4414	www.casmedical.com	Polyethylene and polyolefins	Light-permeable diapers for photo-therapy
	Natus Medical	800.255.3901	www.natus.com	Polyolefin foam with polyethylene coating	Neonatal noise attenuators (<i>MiniMuff</i>)
	Natus Medical	800.255.3901	www.natus.com	Patented latex-free material	Phototherapy eye shield
	Tarry Manufacturing	800.688.2779	www.tarrymfg.com	Polyurethane boards, cotton/polyester fabric covering	Armboards
Ambulatory Products	Many Manufacturers, including: Merry Walker Corp.	815.678.3388	www.merrywalker.com	Steel	
Bags, Non-sterilized	Cryovac	864.433.2000	www.cryovac.com/products/medical/default.html	Polyolefins	Medical film for packaging pharmaceutical bags and ostomy pouches
	Harmac Medical Products, Inc.	716.897.4500	www.harmac.com	Polyolefin	Bags - custom-made for medical product technologies, including enteral feeding, drainage, waste, blood
	Qosina	631.242.3000	www.qosina.com	Ethylene vinyl acetate	Bags with graduations - can only be purchased from medical supply companies and/or manufacturers
	Qosina	631.242.3000	www.qosina.com	Polyolefin-based film	Bags - can only be purchased from medical supply companies and/or manufacturers
	Qosina	631.242.3000	www.qosina.com	Polypropylene/polyethylene comonomer	Bags - can only be purchased from medical supply companies and/or manufacturers
Bags, Sterilized	General Econopak	888.871.8568	www.generaleconopak.com	Polyolefin/kraft paper	Sterilization pouches
Bedding and Padding Products	Action Products	800.228.7763	www.actionproducts.com	Visko elastic akton polymer	Isolette pad, bassinet pad, O.R. overlay, donut head pad, horseshoe head pad, forehead protector, pediatric positioner
	CAS Medical	800.227.4414	www.casmedical.com	Foam with flannel covering	Positioning devices for premature infants (<i>Premie Nestie</i>)

Alternatives to Polyvinyl Chloride (PVC) and Di(2-Ethylhexyl) Phthalate (DEHP) Medical Devices (Part 2 of 13)

Products	Manufacturer	Telephone	Web Page	Material	Comments
Bedding and Padding Products (cont.)	Children's Medical Ventures/ Respironics	800.377.3449	http://childrensmedical.respironics.com	Polyurethane	Soft Gel pillow - neonates
	Curbell Electronics	800.235.7500	www.curbellelectronics.com	Nylon or polyurethane	Mattress covers
	LDI Corporation	603.330.0700	www.ldisolutions.com	Polyethylene	Bedding materials
	Precision Dynamics Corporation	800.847.0670	www.pdcorp.com	Polyethylene	Disposable pillow covers, mattress covers, draw sheets
	Tarry Manufacturing	800.688.2779	www.tarrymfg.com	Polyester filling, cotton/polyester fabric covering	Positioning aids - neonatal (<i>Tarry Tubes</i> and <i>Soft Donuts</i>)
	Tarry Manufacturing	800.688.2779	www.tarrymfg.com	Non-DEHP PVC	Mattress cover
Blood Pressure Cuffs	CAS Medical	800.227.4414	www.casmedical.com	Polyurethane	Blood pressure cuffs - neonatal (<i>Soft-Check Free</i>)
Blood Products	Arrow International	800.523.8446	www.arrowintl.com	Non-DEHP PVC	Blood bag spikes
	Baxter Healthcare, Fenwal Division	800.766.1077	www.baxter.com	Polyolefin	Bags for platelets, platelet rich plasma and fresh frozen plasma
	Baxter Healthcare, Fenwal Division	800.766.1077	www.baxter.com	Non-DEHP PVC	Bags for packed red blood cells
	Utah Medical Products Inc.	800.533.4984	www.utahmed.com	Acrylic polymer and stainless steel	Microaggregate blood filter (<i>Hemorate</i>)
Body Bags	Busse Hospital Disposables	800.645.6526	www.busseinc.com	Polyethylene	Body bags
	Busse Hospital Disposables	800.645.6526	www.busseinc.com	Ethylene vinyl acetate	Body bags
	ICP Medical	314.429.1000 ext. 22	www.icpproducts.com	Polyethylene	Body bags
	LDI Corporation	603.330.0700	www.ldisolutions.com	Polyethylene/polypropylene blend	Body bags
	Tri-State Hospital Supply Corporation	800.248.4058	www.tshsc.com	Polyethylene and ethylene vinyl acetate (PEVA)	Body bags
Breast Pumps	Medela	800.435.8316	www.medela.com	Silicone	Breast pump kit with silicone tubing (<i>Symphony Double Pumping Kit</i>). Silicone tubing also sold separately for all hospital-grade Medela pumps.

Alternatives to Polyvinyl Chloride (PVC) and Di(2-Ethylhexyl) Phthalate (DEHP) Medical Devices (Part 3 of 13)

Products	Manufacturer	Telephone	Web Page	Material	Comments
Compression Devices	Aircast (Venaflow)	800.526.8785	www.aircast.com	Polyurethane, polyester, rayon	Intermittent pneumatic compression device
	Kendall/Tyco Healthcare	800.962.9888	www.kendallhq.com	Polyolefins	Sequential compression device
Diagnostic Equipment	Utah Medical Products Inc.	800.533.4984	www.utahmed.com	Acrylic polymer and stainless steel	Cerebral spinal fluid sampling kit (<i>Myelo-Nate</i>)
Dialysis, Hemodialysis	Arrow International	800.523.8446	www.arrowintl.com	Polyurethane	Hemodialysis catheter
	Gambro	800.525.2623	www.usa-gambro.com	Non-DEHP PVC	Cartridge blood set/hemodialysis blood lines
	HMP Vascular	800.472.5221	www.hmpvascular.com	Polyurethane cannula, silicone extensions	Hemodialysis catheter
	HMP Vascular	800.472.5221	www.hmpvascular.com	Silicone	Apheresis chronic catheter kit
	Smiths Medical	800.426.2448	www.smiths-medical.com	Polyurethane	Hemodialysis catheter
Dialysis, Peritoneal	B. Braun	800.621.0445	www.bbraunusa.com	Polypropylene/polyethylene comonomer	Rigid peritoneal dialysate container
	B. Braun	800.621.0445	www.bbraunusa.com	Silicone	Peritoneal catheter - infants and adults
	Degania Silicone	401.333.8199	www.deganasilicone.com	Silicone	Peritoneal catheter
	Kendall/Tyco Healthcare	800.962.9888	www.kendallhq.com	Silicone	Peritoneal catheter
	HMP Vascular	800.472.5221	www.hmpvascular.com	Silicone	Peritoneal catheter
	HMP Vascular	800.472.5221	www.hmpvascular.com	Polyurethane	Dialysis catheter
	Kendall/Tyco Healthcare	800.962.9888	www.kendallhq.com	Silicone	Peritoneal catheter
	Viasys MedSystems	800.323.6305	www.viasyshealthcare.com	Polyurethane	Cruz catheter
	Vygon	800.462.2563	www.vygonusa.com	Silicone	Peritoneal catheter - neonatal to adult
ECG Electrodes	CAS Medical	800.227.4414	www.casmedical.com	Cloth	ECG electrodes - wires are PVC
	Kendall/Tyco Healthcare	800.962.9888	www.kendall-ltp.com	Cloth or foam	ECG electrodes - wires are PVC

Alternatives to Polyvinyl Chloride (PVC) and Di(2-Ethylhexyl) Phthalate (DEHP) Medical Devices (Part 4 of 13)

Products	Manufacturer	Telephone	Web Page	Material	Comments
Enteral Feeding Sets	Children's Medical Ventures/ Respironics	800.377.3449	http://childrensmedical.respironics.com	Non-DEHP PVC	Enteral set
	Corpak/Viasys MedSystems	800.323.6305	www.viasyshealthcare.com	Nylon, ethylene vinyl acetate, polypropylene	Enteral feeding bag
	Corpak/Viasys MedSystems	800.323.6305	www.viasyshealthcare.com	Nylon, ethylene vinyl acetate, polypropylene	Farrell valve for enteral gastric pressure relief: PVC-free bag with tubing made from PVC with DEHP
	Corpak/Viasys MedSystems	800.323.6305	www.viasyshealthcare.com	Silicone	Cubby button gastrostomy device (<i>CorFlo</i>)
	Kendall/Tyco Healthcare	800.962.9888	www.kendallhq.com	Non-DEHP PVC	Non-DEHP bag & tube
	Ross (Abbott Laboratories)	800.551.5838	www.ross.com	Non-DEHP PVC	Enteral feeding set
	Zevex	800.970.2337	www.zevex.com	Non-DEHP PVC	Enteral feeding set
Epidural Catheters	B. Braun	800.227.2862	www.bbraunusa.com	Polyamide (nylon)	Epidural catheter
	Smiths Medical	800.426.2448	www.smiths-medical.com	Nylon	Epidural catheter
	Smiths Medical	800.426.2448	www.smiths-medical.com	Teflon	Epidural catheter
	Vygon	800.544.4907	www.vygonusa.com	Polyethylene, polyamide (nylon) or polyurethane	Epidural vessel catheter
Feeding Tubes and Accessories	Arrow International	800.523.8446	www.arrowintl.com	Silicone	Feeding tube for neonates
	Corpak/Viasys MedSystems	800.323.6305	www.viasyshealthcare.com	Silicone	Gastrostomy tube - neonates and adults
	Corpak/Viasys MedSystems	800.323.6305	www.viasyshealthcare.com	Polyurethane	PEG tube, nasogastric feeding tube, jejunal tube - neonates and adult
	Ethox Corporation	800.521.1022	www.ethoxcorp.com	Polyurethane	Nasogastric tube
	Kendall/Tyco Healthcare	800.962.9888	www.kendallhq.com	Polyurethane	Nasogastric tube, PEG tube, Nasojejunal
	Kendall/Tyco Healthcare	800.962.9888	www.kendallhq.com	Silicone	Replacement skin level g-tube
	Kimberly-Clark (Ballard Medical Devices)	800.524.3557	www.kchealthcare.com	Silicone	PEG feeding tube, gastrostomy feeding tube, jejunal feeding tube

Alternatives to Polyvinyl Chloride (PVC) and Di(2-Ethylhexyl) Phthalate (DEHP) Medical Devices (Part 5 of 13)

Products	Manufacturer	Telephone	Web Page	Material	Comments
Feeding Tubes and Accessories (cont.)	Marian Medical, Inc.	502.895.6991	www.marianmedicalonline.com	Silicone	Neonatal feeding tube
	MedLine, Inc.	800.633.5463	ww.medline.com	Polyurethane	Nasogastric feeding tube
	Novartis	800.333.3785	www.novartis.com	Polyurethane	Nasogastric tube, needle catheter jejunostomy tube
	Ross (Abbott Laboratories)	800.231.3330	www.ross.com	Polyurethane	Gastrostomy tube, nasoenteric feeding tube, nasojejunal feeding tube
	Ross (Abbott Laboratories)	800.231.3330	www.ross.com	Silicone	Gastrostomy tube (some peds), PEG tube
	Utah Medical Products Inc.	800.533.4984	www.utahmed.com	Silicone	Nasogastric and nasoenteric feeding tubes (<i>Gesco Nutri-cath</i>)
	Utah Medical Products Inc.	800.533.4984	www.utahmed.com	Silicone	Oral protection devices (<i>Pala-Nate</i>)
	Viasys MedSystems	800.323.6305	www.viasyshealthcare.com	Polyurethane	PEG tube, nasogastric and nasojejunal feeding tubes
	Viasys MedSystems	800.323.6305	www.viasyshealthcare.com	Silicone	Gastrostomy tube
	Vygon	800.544.4907	www.vygonusa.com	Polyurethane	Gastric feeding tube for infants, Nasojejunal tube
	Zevex	800.970.2337	www.zevex.com	Polyurethane	Nasoenteric feeding tube
	Zevex	800.970.2337	www.zevex.com	Silicone	Gastrostomy tube
Floor Pads	LDI Corporation	603.330.0700	www.ldisolutions.com	Polyester and absorbent fibers with non-skid olefin backing	Surgical absorbent floor pads
Gloves, Examination	Ansell Healthcare	800.952.9916	www.ansellhealthcare.com	Nitrile	(<i>Derma Prene PI</i>)
	Best Manufacturing Co.	800.241.0323	www.bestglove.com	Nitrile	
	Cardinal Health	800.964.5227	www.cardinal.com/mps	Nitrile	
	ECI Medical Technologies	800.668.5289	www.ecimedical.com	Styrene isoprene styrene	
	FirstLine LLC	805.688.6768	www.glovegirls.com	Nitrile	

Alternatives to Polyvinyl Chloride (PVC) and Di(2-Ethylhexyl) Phthalate (DEHP) Medical Devices (Part 6 of 13)

Products	Manufacturer	Telephone	Web Page	Material	Comments
Gloves, Examination (cont.)	Maxxim Medical/MedLine	800.727.7951	www.maxximmedical.com	Polyurethane	
	MedLine, Inc.	800.633.5463	www.medline.com	Nitrile	
	Safeskin Corporation	800.462.9993	www.safeskin.com	Nitrile	
	Tillotson Healthcare Corp.	800.445.6830	www.thcnet.com	Nitrile	
Gloves, Surgical	Ansell Healthcare	800.952.9916	www.ansellhealthcare.com	Polyisoprene	Surgical glove
Gynecological	Kendall/Tyco Healthcare	800.962-9888	www.kendallhq.com	Polyethylene	Vaginal irrigation bag
Intravenous (IV) Products	Baxa Corporation	800.567.2292	www.baxa.com	Ethylene vinyl acetate	IV bag
	Baxter Healthcare	800.766.1077	www.baxter.com	Polypropylene and polyethylene	IV bag (AVIVA)
	B. Braun	800.227.2862	www.bbraunusa.com	Polypropylene/polyethylene copolymer, polyester, elastomer laminate	IV solutions in PVC-free bag (<i>Excel</i>)
	B. Braun	800.227.2862	www.bbraunusa.com	Polypropylene/polyethylene copolymer, polyester, elastomer laminate	Pre-mixed drug solutions in PVC-free bag (<i>Excel</i>)
	B. Braun	800.227.2862	www.bbraunusa.com	Polypropylene/polyethylene copolymer	IV solutions in PVC-free partial additive bag (<i>PAB</i>)
	B. Braun	800.227.2862	www.bbraunusa.com	Polypropylene/polyethylene copolymer	Pre-mixed drug solutions in PVC-free partial additive bag (<i>PAB</i>)
	B. Braun	800.227.2862	www.bbraunusa.com	Polyethylene, polypropylene, foil, and other special barriers	Two-chamber bag - one chamber antibiotic powder, the other diluent (<i>Duplex</i>)
	Cryovac	864.433.2709	www.cryovacmedicalfilms.com	Multi-layer polyethylene, polypropylene	Sterilizable IV film/bag and IV tubing
	Cryovac	864.433.2709	www.cryovacmedicalfilms.com	Polypropylene	Spike port
	Ethox Corporation	800.521.1022	www.ethoxcorp.com	Polypropylene	Infuser (<i>Surgi-Press</i>)
	Hospira, Inc.	877.946.7747	www.hospira.com	Polyolefin/polyester laminate	IV containers (<i>VisIV</i>)
	Hospira, Inc.	877.946.7747	www.hospira.com	Glass	IV containers for lipids and general intravenous solutions
	RITA Medical Systems	800.472.5221	www.hmpvascular.com	Non-DEHP PVC	Anti-coring needles

Alternatives to Polyvinyl Chloride (PVC) and Di(2-Ethylhexyl) Phthalate (DEHP) Medical Devices (Part 7 of 13)

Products	Manufacturer	Telephone	Web Page	Material	Comments
Intravenous (IV) Products (cont.)	Medex, Inc./Smiths Medical	800.848.1757	www.medexmed.com	Polyurethane	IV extension set
	Medex, Inc./Smiths Medical	800.848.1757	www.medexmed.com	Polyethylene	IV extension set
	Medex, Inc./Smiths Medical	800.848.1757	www.medexmed.com	Makrolon (polycarbonate and polyethylene)	Stopcocks
	Stedim Corporation	800.914.6644	www.stedim.com	Polypropylene	Drug delivery bags (<i>STEDIM 100</i>)
	Terumo Medical	800.888.3786	www.terumomedical.com	Polyurethane	IV catheter
	Vygon	800.544.4907	www.vygonusa.com	Polyethylene	IV extension sets
Irrigation/Drainage	Amsino International	909.626.5888	www.amsino.com	Silicone	Wound drainage systems and tubing
	Atrium Medical Corporation	800.528.7486	www.atriummed.com	Silicone	Thoracic and mediastinal catheter
	Axiom Medical	310.898.1779	www.axiommed.com	Silicone	Thoracic catheter, drains
	B. Braun	800.227.2862	www.bbraunusa.com	Polyethylene/polypropylene copolymer	Containers for irrigation/urology solutions (<i>PIC</i>)
	Cardinal Health	800.964.5227	www.cardinal.com/mps	Silicone	Wound and channel drains, bulb reservoirs
	C.R. Bard	800.526.4455	www.bardmedical.com	Silicone	Drains
	Degania Silicone	401.333.8199	www.degianasilicone.com	Silicone	Surgical and wound drains, Thoracic catheter, Nephrostomy catheter - may fit neonates
	Hospira, Inc.	877.946.7747	www.hospira.com	Ethylene propylene copolymer	Irrigation/urology solutions in PVC-free containers (<i>Aqualite</i>)
	Kendall/Tyco Healthcare	800.962-9888	www.kendallhq.com	Silicone	Mediastinal catheter, Thoracic catheter
	Kendall/Tyco Healthcare	800.962-9888	www.kendallhq.com	Non-latex rubber	Irrigation kit
	Kimberly-Clark (Ballard Medical Devices)	800.524.3557	www.khealthcare.com	Silicone	Bowel management kit - balloon and tube
	MedLine, Inc.	800.633.5463	ww.medline.com	Silicone	Bulb evacuator, wound drain
	Small Beginnings, Inc.	800.676.0462	www.small-beginnings.com	Polyethylene	Suction catheter
Utah Medical Products, Inc.	800.533.4984	www.utahmed.com	Silicone	Thoracic catheter (<i>Thora Cath</i>)	

Alternatives to Polyvinyl Chloride (PVC) and Di(2-Ethylhexyl) Phthalate (DEHP) Medical Devices (Part 8 of 13)

Products	Manufacturer	Telephone	Web Page	Material	Comments
Irrigation/Drainage (cont.)	Zimmer	800.348.2759	www.zimmer.com	Silicone	Wound drains
Medical Film	Cooley MedGuard	800.333.3048 x 6259	www.cooleygroup.com	Polyolefin	Polymer membrane for medical end-use
	Cryovac	864.433.2000	www.cryovac.com/products/medical/default.html	Polyolefins	Medical film for packaging pharmaceutical solutions
	DOW Chemical	800.441.4369	www.dow.com/medfilm/	Polyolefins	Medical Device Film (<i>Affinity</i>)
	Focus BioMed	508.529.4990	www.focusbiomed.com	Polyolefins	Polymer films for medical devices
	GLS Thermoplastic Elastomers	800.457.8777	www.glscorp.com	Thermoplastic elastomers	Film for medical devices and tubing
	Stevens Urethane	877.878.3456	www.stevensurethane.com	Thermoplastic urethanes	Film, sheet, and tubing for medical devices
Patient ID Bracelets	Precision Dynamics Corp.	800.847.0670	www.pdcorp.com	Tyvek®	Appropriate for short stays
	Wristband & Medical Specialty Products	800.940.3993	www.wristbandsupply.com	Tyvek®	Appropriate for short stays
Plastic Bags and Wrap	Many manufacturers including: Glad	800.835.4523	www.glad.com	Polyethylene	Wrap (<i>Glad Cling Wrap</i>)
	R.D. Plastics Company, Inc.	800.795.7007	www.rdplastics.com	Polypropylene	Plastic bags for secondary containers and dispensing pills
Radiation Aprons and Shields	Protech Leaded Eyewear, Inc.	888.672.9769	www.protecheyewear.com	Prolite Ultra (lead free), nylon, and polyurethane	Aprons and shields (custom order)
	Pulse Medical, Inc.	800.342.5973	www.rci-pulsemed.com	Xenolite (lead-free)	Aprons and custom accessories
	Radiation Shield Technologies	866.733-6766	www.radshield.com	Demron (lead-free) and fabric	Aprons, shields, custom accessories
Respiratory Therapy Products	Cardinal Health	800.964.5227	www.cardinal.com	Polyethylene and ethylene vinyl acetate	Corrugated oxygen tubing
	Intersurgical Systems	315.451.2900	www.intersurgical.com	Polypropylene and thermoplastic elastomer	Anaesthetic mask (<i>EcoMask</i>)
	Kendall/Tyco Healthcare	800.962.9888	www.kendall-ltp.com	Silicone	CPAP nasal cannula
	Kendall/Tyco Healthcare	800.962.9888	www.kendallhq.com	Polyurethane	Replogle suction catheter
	Laerdal	800.431.1055	www.laerdal.com	Silicone	Mask - infant and adult

Alternatives to Polyvinyl Chloride (PVC) and Di(2-Ethylhexyl) Phthalate (DEHP) Medical Devices (Part 9 of 13)

Products	Manufacturer	Telephone	Web Page	Material	Comments
Respiratory Therapy Products (cont.)	Monaghan	800.833.9653	www.monaghanmed.com	Silicone	Mask - pediatric and adult
	Natus Medical	800.255.3901	www.natus.com	Acrylic	Oxygen hood
	ResMed	800.424.0737	www.resmed.com	Silicone	Masks
	Rusch/Teleflex	800.553.5214	www.rusch.com	Red rubber or silicone	Endotracheal tube
	Rusch/Teleflex	800.553.5214	www.rusch.com	Polyethylene	Berman Airways
	Rusch/Teleflex	800.553.5214	www.rusch.com	Silicone	Panda mask
	Smiths Medical	800.258-5361	www.smiths-medical.com	Silicone	Tracheostomy tubing - neonatal, pediatric, and adult
	Smiths Medical	800.258-5361	www.smiths-medical.com	Styrene	MDI spacer
	Smiths Medical	800.258-5361	www.smiths-medical.com	Silicone	Laryngectomy tubing - adult
	Smiths Medical	800.258-5361	www.smiths-medical.com	Silicone	Sleep apnea tubing - adult
	Smiths Medical	800.258-5361	www.smiths-medical.com	Silicone	Endotracheal tubing , tube extensions, swivel connectors
	Smiths Medical	800.258-5361	www.smiths-medical.com	Silicone	Epistaxis catheters
	Smiths Medical	800.258-5361	www.smiths-medical.com	Silicone	Nasal and turbinate stents - adult
	Smiths Medical	800.258-5361	www.smiths-medical.com	Silicone	Voice prosthesis products
	Smiths Medical	800.258-5361	www.smiths-medical.com	Silicone	Emergency circothyrotomy kits - pediatric and adult
	Smiths Medical	800.258-5361	www.smiths-medical.com	Silicone	Bronchoscopy tubing
	Smiths Medical	800.258-5361	www.smiths-medical.com	Silicone	Laryngoscopy tubing
	Transtracheal Systems, Inc.	800.527.2667	www.transtracheal.com	Polyurethane	Transtracheal oxygen catheter
	Utah Medical Products, Inc.	800.533.4984	www.utahmed.com	Co-polyester - polyethylene foam and polypropylene	Disposable infant oxygen hood
	Utah Medical Products, Inc.	800.533.4984	www.utahmed.com	Polyethylene terephthalate glycol	Disposable Infant Oxygen Hood (<i>Disposa-Hood</i>)

Alternatives to Polyvinyl Chloride (PVC) and Di(2-Ethylhexyl) Phthalate (DEHP) Medical Devices (Part 10 of 13)

Products	Manufacturer	Telephone	Web Page	Material	Comments
Respiratory Therapy Products (cont.)	Utah Medical Products, Inc.	800.533.4984	www.utahmed.com	Silicone	Orotracheal protection device - neonatal (<i>Pala-Nate</i>)
	Vital Signs	800.932.0760	www.vital-signs.com	Polyester	Oxygen or aerosol applications - Aero2Mask
	Vital Signs	800.932.0760	www.vital-signs.com	Polyester/polyurethane	Mask
	Vital Signs	800.932.0760	www.vital-signs.com	Polypropylene	Optional tubing
	Vygon	800.544.4907	www.vygonusa.com	Ethylene vinyl acetate	Oropharyngeal airway - pediatric
Shower Curtains	A1 Textiles	800.351.1819	www.a1textiles.com	Polyester and nylon	
	Brookstone	800.846.3000	www.brookstone.com	Polyethylene	
	Ikea USA		www.ikea.com	Ethylene vinyl acetate and polyethylene	
	Ikea USA		www.ikea.com	Polyester	
Sump Tubes	Kendall/Tyco Healthcare	800.962.9888	www.kendallhq.com	Silicone	Salem sump tubes
	Vygon	800.544.4907	www.vygonusa.com	Polyurethane	Sump tubes
Total Parenteral Nutrition	Baxter Healthcare, Fenwal Division	800.766.1077	www.baxter.com	Ethylene vinyl acetate	TPN bag
	Baxa Corporation	800.567.2292	www.baxa.com	Ethylene vinyl acetate	TPN bag
	B. Braun	800.227.2862	www.bbraunusa.com	Multi-layer bag: polypropylene/polyethylene copolymer, polyester, elastomer laminate	Bag for sterile water (<i>Excel</i>)
	B. Braun	800.227.2862	www.bbraunusa.com	Glass container	TPN solution in glass container
	Hospira, Inc.	877.946.7747	www.hospira.com	Glass	Glass empties for mixing TPN solutions
	Metrix Company	563.556.8800	www.metrixco.com	Ethylene vinyl acetate	TPN bag
	Nextron Medical Technologies	800.633.7877	www.nextronmed.com	Ethylene vinyl acetate	TPN bag
	Stedim Corporation	800.914.6644	www.stedim.com	Ethylene vinyl acetate	Mono chamber and multi-chamber TPN bags (<i>EVAM</i>)

Alternatives to Polyvinyl Chloride (PVC) and Di(2-Ethylhexyl) Phthalate (DEHP) Medical Devices (Part 11 of 13)

Products	Manufacturer	Telephone	Web Page	Material	Comments
Total Parenteral Nutrition (cont.)	Vygon	800.544.4907	www.vygonusa.com	Polyurethane	Catheter for parenteral nutrition and mid/long-term IV therapy (see PICC lines above)
Tubing - Medical and Surgical	Busse Hospital Disposables	800.645.6526	www.busseinc.com	Polypropylene	Tubing connectors
	Degania Silicone	401.333.8199	www.deganasilicone.com	Silicone	Medical tubing
	Natvar	909.594.3660	www.natvar.com	Polyurethane and thermoplastic elastomer	Multi-layer IV tubing (<i>BioPath</i>)
	Natvar	909.594.3660	www.natvar.com	Non-DEHP PVC	Cardiovascular tubing
	Tygon, Saint-Gobain Performance Plastics	800.798.1545	www.tygon.com	Polyurethane	Medical and surgical tubing
	Tygon, Saint-Gobain Performance Plastics	800.798.1545	www.tygon.com	Silicone	Medical and surgical tubing
	Tygon, Saint-Gobain Performance Plastics	800.798.1545	www.tygon.com	Polyolefin	Medical and surgical tubing
	Tygon, Saint-Gobain Performance Plastics	800.798.1545	www.tygon.com	Fluoropolymer	Medical, surgical and laboratory tubing
Umbilical Vessel Catheters	Cook Critical Care	800.457.4500	www.cookcriticalcare.com	Polyurethane	Umbilical catheter
	Kendall/Tyco Healthcare	800.962.9888	www.kendallhq.com	Polyurethane	Umbilical vessel catheter
	Utah Medical Products, Inc.	800.533.4984	www.utahmed.com	Silicone, tecoflex polyurethane	Umbilical vessel catheter - neonates (<i>Umbili-cath</i>)
	Vygon	800.544.4907	www.vygonusa.com	Polyurethane	Umbilical vessel catheter
Urinary Catheters	Amsino International	909.626.5888	www.amsino.com	Silicone	Foley catheter - pediatric
	Amsino International	909.626.5888	www.amsino.com	Red rubber	Urethral catheter
	C.R. Bard	800.526.4455	www.bardmedical.com	Polyurethane	Urethral catheter - pediatrics
	C.R. Bard	800.526.4455	www.bardmedical.com	Silicone	Foley catheter
	Degania Silicone	401.333.8199	www.deganasilicone.com	Silicone	Foley catheter

Alternatives to Polyvinyl Chloride (PVC) and Di(2-Ethylhexyl) Phthalate (DEHP) Medical Devices (Part 12 of 13)

Products	Manufacturer	Telephone	Web Page	Material	Comments
Urinary Catheters (cont.)	Kendall/Tyco Healthcare	800.962.9888	www.kendallhq.com	Silicone	Foley catheter
	Kendall/Tyco Healthcare	800.962.9888	www.kendallhq.com	Polyurethane	Pediatric urinary catheter
	Marian Medical, Inc.	502.895.6991	www.marianmedicalonline.com	Silicone	Neonatal urinary drainage catheter
	MedLine, Inc.	800.633.5463	ww.medline.com	Silicone	Foley Catheter and anti-reflux device drain bag
	Rochester Medical	800.243.3315	www.rocm.com	Silicone	Foley catheter and urethral catheter (pediatric and adult)
	Utah Medical Products, Inc.	800.533.4984	www.utahmed.com	Silicone	Urinary catheter (<i>Uri-cath</i>)
Vascular Catheters	B. Braun	800.227.2862	www.bbraunusa.com	Polyurethane or teflon	Central venous catheter, Introcan, safety catheter, peripherally-inserted central catheter
	Becton Dickinson	201.847.6800	www.bd.com	Silicone, polyurethane or teflon	Peripherally-inserted central catheter, Midline catheter
	Cook Critical Care	800.457.4500	www.cookcriticalcare.com	Polyethylene	Arterial pressure monitoring set and tray, central venous catheter
	Cook Critical Care	800.457.4500	www.cookcriticalcare.com	Polyurethane	Central venous catheter
	Cook Critical Care	800.457.4500	www.cookcriticalcare.com	Silicone	Central venous catheter
	C.R. Bard	800.545.0890	www.bardmedical.com	Silicone	Peripherally-inserted central catheter, central venous catheter, midline catheter
	C.R. Bard	800.545.0890	www.bardmedical.com	Polyurethane	Peripherally-inserted central catheter, central venous catheter, midline catheter
	HMP Vascular	800.472.5221	www.hmpvascular.com	Polyurethane	Peripherally-inserted central catheter
	HMP Vascular	800.472.5221	www.hmpvascular.com	Silicone	Central venous catheter
	Marian Medical, Inc.	502.895.6991	www.marianmedicalonline.com	Silicone	Peripherally-inserted central catheter

Alternatives to Polyvinyl Chloride (PVC) and Di(2-Ethylhexyl) Phthalate (DEHP) Medical Devices (Part 13 of 13)

Products	Manufacturer	Telephone	Web Page	Material	Comments
Vascular Catheters (cont.)	Medex, Inc./Smiths Medical	800.848.1757	www.medexmed.com	Teflon or optically clear resin	Peripheral IV catheter
	Smiths-Medical	800.426.2448	www.smiths-medical.com	Titanium, stainless steel and/ or polysulfone (portal) polyurethane or silicone (catheter)	Implanted vascular access ports
	Smiths-Medical	800.426.2448	www.smiths-medical.com	Silicone	Tunneled central catheter
	Smiths-Medical	800.426.2448	www.smiths-medical.com	Polyurethane	Peripherally-inserted central catheter and midlines
	Smiths Medical	800.426.2448	www.smiths-medical.com	Silicone or polyurethane	Implantable infusion ports
	Smiths Medical	800.426.2448	www.smiths-medical.com	Silicone	Percutaneous IV catheter
	Utah Medical Products, Inc.	800.533.4984	www.utahmed.com	Silicone	Peripherally-inserted central catheter - neonates (<i>PICC-Nate</i>)
	Utah Medical Products, Inc.	800.533.4984	www.utahmed.com	Polyurethane	Peripherally-inserted central catheter - neonates (<i>PICC-Nate</i>)
	Vygon	800.544.4907	www.vygonusa.com	Polyurethane or silicone	Periphally inserted central catheter and ECC catheter - adults and neonates
	Vygon	800.544.4907	www.vygonusa.com	Polyurethane or polyethylene	Mid-line catheters - pediatrics and adults



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