



Kimberly-Clark Restricted Substances List

PURPOSE

The quality and safety of our products and the well-being of the consumers who use them is the top priority at Kimberly-Clark. We have rigorous safety and quality requirements and we are proud of our long track record of producing safe products. This commitment to safety includes the ingredients and materials used in our products.

We maintain a Restricted Substances List (RSL) to ensure a consistent, global approach to safeguarding our consumers, employees and the environment from exposure to potential ingredients of concern. The Kimberly-Clark Restricted Substances List represents chemicals that are controlled in our global product portfolio by limits established by raw material or finished product.

This RSL is regularly updated based on Kimberly-Clark's close monitoring and careful consideration of new information published by scientific research and regulatory agencies globally regarding ingredients, including public perception of ingredients. New information is reviewed in our Product Stewardship Council on an ongoing basis.

SCOPE

Kimberly-Clark requires world-class quality for all purchased materials, products and services that consistently meet or exceed customers' and consumers' needs, perform as intended and are safe for their intended use. Our suppliers directly share in the responsibility to ensure that the highest degree of diligence is taken to meet or exceed all specified safety, compliance, and quality requirements.

This RSL applies to all chemicals used in the manufacture, treatment or converting of the material(s) or products provided to Kimberly-Clark including, without limitation, any use as a processing aid.

The following product categories and their component materials are in scope of this RSL:

- Absorbent Hygiene Products
 - Includes adult and baby diapers, feminine hygiene pads/liners, tampons, incontinence pads/liners/garments/briefs,
- Formulated Personal Care Products
 - Includes lotions, shampoo, conditioner, soaps, professional hand soaps and hand sanitizers, baby wipes, perineal wipes, facial cleansing wipes, make-up removing wipes, hand and face wipes, and lotion tissue formulations,
- Formulated surface cleaning products
 - Includes cleaning, antimicrobial, sanitizing sprays and wipes,
- Consumer and professional dry tissue products
 - Includes facial tissue, bath tissue; paper towels, dry wipers,
 - Does not include core stock materials

Note that this standard does not cover packaging materials for the above products which will be addressed separately in the Kimberly-Clark Packaging Standard (ST-15281).

We require our suppliers to adhere to the Kimberly-Clark RSL, and to have processes and systems in place to ensure compliance. Please be advised that:

- This RSL is not intended to replace the supplier's own quality assurance process nor is it meant to be a substitute for the supplier's responsibility to monitor, and supply safe, compliant materials. The requirements herein should be considered supplemental to the supplier's processes and standards. However, if the supplier's requirements are

less restrictive, suppliers are expected to adhere to Kimberly-Clark's standards. Compliance to this list is not intended to replace a full material disclosure and other required information as defined in the Supplier Stewardship Standard. A full review of information will be completed to not only confirm safety and regulatory compliance but also to enable us to proactively respond to emerging new regulations and chemicals of concern.

- The RSL is a summary of the chemicals most relevant to our consumers that K-C is restricting however there may be additional chemicals we have opted to restrict in our products through other quality documents (e.g. Kimberly-Clark Fragrances and Essential Oil Standard) that do not appear on the RSL.

DEFINITIONS

CAS Number	Chemical Abstracts Service registry numbers that identify unique substances
RSL	Restricted Substances List
Restricted Substance	A chemical that is restricted (limits established by product or material) or prohibited relevant to Kimberly-Clark products.
Material standard	Kimberly-Clark maintains a standard for various material types to establish and communicate the minimum safety and compliance requirements for the materials used in the manufacture of Kimberly-Clark products to our suppliers.

REGULATORY COMPLIANCE

This list represents the internal Kimberly-Clark position. It is not intended to indicate regulatory requirements and does not indicate an assessment of risk to humans or the environment for any particular chemical or product.

Suppliers must operate in full compliance with the laws and regulations of the countries in which they operate. When local laws and regulations are less restrictive than this list, or when this list is less restrictive than local laws and regulations, suppliers are expected to adhere to Kimberly-Clark's requirements.

IMPLEMENTATION AND ENFORCEMENT

This RSL takes effect on the date of issuance. We intend that this requirement be part of all agreements between Kimberly-Clark and its direct and authorized suppliers. We expect our suppliers to develop and implement appropriate internal business processes to ensure compliance with the RSL and communicate these requirements to their suppliers to ensure conformance throughout the supply chain.

We plan to evaluate compliance through product testing as needed for any product or materials requiring further investigation to ensure compliance.

**KIMBERLY-CLARK RESTRICTED SUBSTANCES
IN ALL PRODUCT CATEGORIES**

<p>Kimberly-Clark Restricted Substances for all product categories are listed below.</p> <p>The chemicals are restricted in the manufacture of the Kimberly-Clark products identified in the scope.</p> <p>We expect our suppliers to develop and implement appropriate internal business processes to ensure compliance with their suppliers.</p>			
Category	Substance	CAS Number	Restriction
Alkanolamides	Diethanolamine	111-42-2	PROHIBITED
Alkyl Phenol, Alkyl Phenol ethoxylates, Nonylphenol and Nonylphenol Ethoxylates (note including but not limited to the CAS numbers identified)	Alkylphenols: Nonylphenol (NP), Nonylphenol ethoxylate (NPE), Octylphenol (OP) and Octylphenol ethoxylates (OPE)	84852-15-3	PROHIBITED
	4-Nonylphenol, branched:		
	n-Nonylphenol	25154-52-3	
	Nonylphenol ethoxylate	127087-87-0	
	Polyethylene glycol nonylphenylether	9016-45-9	
	Tris-nonylphenyl phosphite (TNPP)	26523-78-4	
	Octylphenol	27193-28-8	
	Ethoxylated octylphenol	9036-19-5	
	Nonoxynol-1	37201-87-1	
	Polyoxyethylene Nonyl Phenol	68412-54-4	
	Phenol, 4-nonyl-, branched	84852-15-3	
	4-Nonylphenol	104-40-5	
	p-(1-methyloctyl)phenol	17404-66-9	
	p-Isononylphenol	26543-97-5i	
	p-(1,1-dimethylheptyl)phenol	30784-30-6	
	4-(3-Methyl-3-octyl)phenol	52427-13-1	
	353-NP, 4-(1-Ethyl-1,3-dimethylpentyl)phenol	186825-36-5	
	4-(3',6'-Dimethyl-3'-heptyl)phenol	142731-63-3	
	Phenol, nonyl-, branched	90481-04-2	
	4-n-Nonylphenol Monoethoxylate	104-35-8	
thanol, 2-[2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]ethoxy]-	7311-27-5		
Nonoxynol 9	14409-72-4		
4-Nonyl Phenol Diethoxylate	20427-84-3		

	Polyethylene Glycol Mono-4-nonylphenyl Ether	26027-38-3	
	20-(4-Nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol	27942-27-4	
	p-Nonylphenol hexaethoxylate	34166-38-6	
	Isononylphenol-ethoxylate	37205-87-1	
	4-t-Nonylphenol-diethoxylate	156609-10-8	
	Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-, branched	68412-54-4	
Aromatic Amines	4-Aminodipheny	92-67-1	PROHIBITED
	Benzidine	92-87-5	
	4-Chloro-o-Toluidine	95-69-2	
	2-Naphthylamine	91-59-8	
	o-Aminoazotoluene	97-56-3	
	2-Amino-4-Nitrotoluene	99-55-8	
	p-Chloroaniline	106-47-8	
	2,4-Diaminoanisole	615-05-4	
	4,4'-Diaminodiphenylmethane	101-77-9	
	3,3'-Dichlorobenzidine	91-94-1	
	3,3'-Dimethoxybenzidine	119-90-4	
	3,3'-Dimethylbenzidine	119-93-7	
	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	
	p-Cresidine	120-71-8	
	4,4'-Methylene-Bis(2-Chloroaniline)	101-14-4	
	4,4'-Oxydianiline	101-80-4	
	4,4'-Thiodianiline	139-65-1	
	o-Toluidine	95-53-4	
	2,4-Toluylenediamine	95-80-7	
	2,4,5-Trimethylaniline	137-17-7	
	o-Anisidine	90-04-0	
	p-Aminoazobenzene	60-09-3	
	2,4-Xylidine	95-68-1	
2,6-Xylidine	87-62-7		
Azo Dyes	Benzidine based dyes	Multiple	PROHIBITED
	o-Anisidine (=ortho-Anisidine) based dyes	Multiple	
	Toluidine based dyes	Multiple	
Benzophenones	Benzophenone	119-61-9	PROHIBITED
	Benzophenone-2	131-55-5	
	Dioxybenzone (Benzophenone-8)	131-53-3	
	Oxybenzone (Benzophenone-3)	131-57-7	
	Suliisobenzone (benzophenone-4)	4065-45-6	
	2,4-Dihydroxybenzophenone]	131-56-6	

Bisphenol	Bisphenol A (4,4'-Isopropylidenediphenol)	80-05-7	PROHIBITED
	Bisphenol F	620-92-8	
	Bisphenol S	80-09-1	
Boric Acid/Borates	Boric Acid/Borates	10043-35-3; 11113-50-1	PROHIBITED
Butylated Hydroxyanisole (BHA)	Butylated Hydroxyanisole (BHA)	25013-16-5	PROHIBITED
Colophony Resins	Colophony Resins	8050-09-7 8052-10-6 73138-82-6	PROHIBITED
Flame Retardants	Tris (1,3-dichloro-2-propyl) phosphate (TDCPP)	13674-87-8	PROHIBITED
	Tris (2-chloroethyl) phosphate (TCEP)	115-96-8	
	Tris (1-chloro-2-propyl) phosphate (TCPP)	13674-84-5	
	2-ethylhexyl tetrabromobenzoate (TBB)	183658-27-7	
	Bis (2-ethylhexyl)-2,3,4,5-tetrabromophthalate (TBPH)	26040-51-7	
	Triphenylphosphate (TPP)	115-86-6	
	2,2-bis(chloromethyl) trimethylene bis(bis(2-chloroethyl)phosphate) (V6)	38051-10-4	
	4-(tert-butyl)phenyl diphenyl phosphate (MDPP)	56803-37-3	
	Bis (tert-butylphenyl) phenyl phosphate (DBPP)	65652-41-7	
	Tris (4-tert-butylphenyl) phosphate	78-33-1 28777-70-0	
	Pentabromodiphenyl ethers (PentaBDE)	32534-81-9	
	Octabromodiphenyl ethers (OctaBDE)	32536-52-0	
	Decabromodiphenyl ethers	1163-19-5	
	Hexabromocyclododecane (HBCD or HBCDD)	3194-55-6	
	Tetrabromobisphenol A (TBBPA)	79-94-7	
	Isopropylated Triphenyl Phosphate (IPTPP)	68937-41-7	
	Antimony Trioxide	1309-64-4	
	Short Chain Chlorinated Paraffins (SCCP)	85535-84-8	
	Fluorinated compounds	Pentadecafluorooctanoic acid (PFOA)	
Perfluorooctane sulfonate (PFOS)		1763-23-1	PROHIBITED

Formaldehyde and Formaldehyde releasing preservatives	Formaldehyde	50-00-0	PROHIBITED
	Quaternium-15	4080-31-3, 51229-78-8	PROHIBITED
Glutaraldehyde	Glutaraldehyde	111-30-8	PROHIBITED
Heavy Metals	Lead Mercury Arsenic Cadmium	Lead (7439-92-1) Mercury (7439-97-6), Arsenic (7440-38-2); Cadmium (7440-43-9);	PROHIBITED
IPBC	Iodopropynyl butylcarbamate (IPBC); 3-iodo-2-propynyl-butylcarbamate	55406-53-6	PROHIBITED (ABSORBENT HYGIENE PRODUCTS, BABY AND CHILD FORMULATED PRODUCTS, PERINEAL CARE FORMULATED PRODUCTS, AND AEROSOLIZED PRODUCTS) RESTRICTED (WITH PERMISSION ONLY IN ALL OTHER PRODUCTS IN SCOPE)
Isocyanates	IToluene Diisocyanate (TDI) 2,4-Toluene diisocyanate 2,6-Toluene diisocyanate Diphenylmethane diisocyanate (MDI)	26471-62-5 91-08-7 584-84-9 26447-40-5	PROHIBITED
Methyldibromo Glutaronitrile	Methyldibromo Glutaronitrile	35691-65-7	PROHIBITED
Natural Rubber and Natural Rubber Latex	Natural Rubber	9006-04-6	PROHIBITED
Organotin compounds	Monobutyltin (MBT)	78763-54-9	PROHIBITED
	Dibutyltin (DBT)	1002-53-5	
	Tributyltin (TBT)	688-73-3	
	Triphenyltin (TPT)	668-34-8	
	Diocetyl tin (DOT)	15231-44-4	
Parabens	Butylparaben	94-26-8	PROHIBITED
	Ethyl paraben	120-47-8	RESTRICTED (WITH PERMISSION ONLY IN SURFACE CLEANING, AND PROFESSIONAL FORMULATED PRODUCTS)

	Isobutylparaben	4247-02-3	PROHIBITED
	Isopropyl paraben	4191-73-5	PROHIBITED
	Methylparaben	99-76-3	RESTRICTED (WITH PERMISSION ONLY IN SURFACE CLEANING, AND PROFESSIONAL FORMULATED PRODUCTS)
	Propylparaben	94-13-3	PROHIBITED
Per- and polyfluoroalkyl substances (PFAS) including but not limited to:	PFAS is defined as: fluorinated substances that contain at least one fully fluorinated methyl or methylene carbon atom (without any H/Cl/Br/I atom attached to it), i.e. with a few noted exceptions, any chemical with at least a perfluorinated methyl group (–CF ₃) or a perfluorinated methylene group (–CF ₂ –) is a PFAS and/or all substances that in their molecule contain at least one fully fluorinated carbon atom (–C _n F _{2n+1} , where n ≥ 1).	Multiple	PROHIBITED
PHMB (Polyaminopropyl biguanide)	PHMB (Polyaminopropyl biguanide)	27083-27-8 32289-58-0 133029-32-0 28757-47-3 70170-61-5	PROHIBITED
Phthalates: All esters of o-phthalic acid	Di-isononyl phthalate (DINP)	28553-12-0	PROHIBITED
	Di(ethylhexyl) phthalate (DEHP)	117-81-7	
	Di-n-octyl phthalate (DNOP)	117-84-0	
	Di-iso-decyl phthalate (DIDP)	26761-40-0 68515-49-1	
	Butyl benzyl phthalate (BBP)	85-68-7	
	Dibutyl phthalate (DBP)	84-74-2	
	Di-isobutyl phthalate (DiBP)	84-69-5	
	Dicyclohexyl phthalate (DCHP)	84-61-7	
	Diisooctyl phthalate	27554-26-3	
	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	
	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	
	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	
	Bis-(2-methoxyethyl) phthalate (DMEP)	117-82-8	

	Diisopentylphthalate (DIPP)	605-50-5	
	N-pentyl-isopentyl phthalate (NPIPP)	776297-69-9	
	Di-n-pentylphthalate (DnPP)	131-18-0	
	Di-n-hexylphthalate (DnHP)	84-75-3	
	Dimethylphthalate	131-11-3	
	Diethylphthalate	84-66-2	
Poly Aromatic Hydrocarbon (PAH)	Acenaphthene	83-22-9	PROHIBITED
	Benzo(a)anthracene (BaA)	56-55-3	
	Benzo(a)pyrene (BaP)	50-32-8	
	Benzo(e)pyrene (BeP)	192-97-2	
	indeno-(1,2,3-c,d)-pyrene (phenylenepyrene)	193-39-5	
	Chrysene (CHR)	218-01-9	
	Benzo(b)fluoranthene (BbFA)	205-99-2	
	Benzo(k)fluoranthene (BkFA)	207-08-9	
	dibenzo(a,h)anthracene ((DBAhA)	53-70-3	
PVC	Polyvinyl Chloride	9002-86-2	PROHIBITED
Solvents	Benzene	71-43-2	PROHIBITED
	Carbon Tetrachloride	56-23-5	
	1,2-Dichloroethane	107-06-2	
	1,1-Dichloroethane	75-34-3	
	1,1,1-Trichloroethane	71-55-6	
	1-Bromopropane	106-94-5	
	Tetrachloroethylene (PERC)	127-18-4	
	Trichloroethylene	79-01-6	
	Toluene	108-88-3	
Talc	Hydrous Magnesium Silicate (Talc)	14807-96-6	PROHIBITED
Triclosan and Triclocarbon	Triclocarban	101-20-2	PROHIBITED
	Triclosan	3380-34-5	PROHIBITED

**KIMBERLY-CLARK RESTRICTED SUBSTANCES IN
FORMULATED PERSONAL CARE PRODUCTS; FORMULATED PERSONAL CARE
WIPE PRODUCTS, AND FORMULATED SURFACE CLEANING PRODUCTS**

Formulated products must comply with the substances restricted in the above “all products” table <u>as well as</u> the following restrictions.			
We expect our suppliers to develop and implement appropriate internal business processes to ensure compliance with their suppliers.			
Category	Substance	CAS Number	Restriction
Alkanolamides	Cocamide DEA	68603-42-9	PROHIBITED (WITH PERMISSION ONLY)
Formaldehyde and Formaldehyde releasing preservatives	Bronopol (2-Bromo-2-Nitropropane-1,3-Diol)	52-51-7	RESTRICTED (WITH PERMISSION ONLY IN SURFACE CLEANING, AND PROFESSIONAL FORMULATED PRODUCTS)
	Diazolidinyl urea	78491-02-8	RESTRICTED (WITH PERMISSION ONLY IN INSURFACE CLEANING, AND PROFESSIONAL FORMULATED PRODUCTS)
	DMDM Hydantoin	6440-58-0	RESTRICTED (WITH PERMISSION ONLY IN SURFACE CLEANING, AND PROFESSIONAL FORMULATED PRODUCTS)
	Imidazolidinyl urea	39236-46-9	RESTRICTED (WITH PERMISSION ONLY IN SURFACE CLEANING, AND PROFESSIONAL FORMULATED PRODUCTS)
	Methenamine	100-97-0	RESTRICTED (WITH PERMISSION ONLY IN SURFACE CLEANING, AND PROFESSIONAL FORMULATED PRODUCTS)
	Sodium hydroxymethylglycinate	70161-44-3	RESTRICTED (WITH PERMISSION ONLY IN SURFACE CLEANING, AND PROFESSIONAL FORMULATED PRODUCTS)
Impurities	1,4-Dioxane	121-91-1	PROHIBITED THRESHOLD LIMIT <10 PPM
IPBC	Iodopropynyl butylcarbamate (IPBC); 3-iodo-2-propynyl-butylcarbamate	55406-53-6	PROHIBITED (ABSORBENT HYGIENE PRODUCTS, BABY AND CHILD FORMULATED PRODUCTS, PERINEAL CARE FORMULATED PRODUCTS, AND AEROSOLIZED PRODUCTS)

			RESTRICTED (WITH PERMISSION ONLY IN ALL OTHER PRODUCTS IN SCOPE)
Isothiazolinones	Benzisothiazolinone	2634-33-5	PROHIBITED
	Methylchloroisothiazolinone/ Methylisothiazolinone	26172-55-4 2682-20-4 55965-84-9	RESTRICTED (WITH PERMISSION ONLY IN SURFACE CLEANING, AND PROFESSIONAL FORMULATED PRODUCTS) LIMIT: ≤15 PPM IN FINISHED PRODUCT
	Methylisothiazolinone	2682-20-4	PROHIBITED
Microbeads	Microbeads	Multiple	PROHIBITED
Parabens	Ethyl paraben	120-47-8	RESTRICTED (WITH PERMISSION ONLY IN SURFACE CLEANING, AND PROFESSIONAL FORMULATED PRODUCTS)
	Methylparaben	99-76-3	RESTRICTED (WITH PERMISSION ONLY IN SURFACE CLEANING, AND PROFESSIONAL FORMULATED PRODUCTS)
Siloxanes	Cyclotetrasiloxane (D4) (AKA octamethylcyclotetrasiloxane)	293-51-6 556-67-2	PROHIBITED THRESHOLD LIMIT <100 PPM IN CHILDREN'S PRODUCTS