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Lockheed Martin Priority Chemicals (LMPCs) Published July 2023

Applicable regulatory requirements such as (EC) No 1907/2006, Registration, Evaluation, Authorization and restriction of Chemicals (REACH) and (15 U.S.C. 2612), United States Toxic Substances Control Act (US TSCA) and contract-specific requirements shall be followed, including bans and restrictions on the use of chemicals and required chemical declarations

The LMPCs listed below include the chemicals substances that Lockheed Martin is actively eliminating or reducing

Prohibited Chemical Name	CAS #	Notes/Exclusions
1,1 - DICHLORO-1-FLUOROETHANE (HCFC 141B)	1717-00-6	·
1,1,1-TRICHLOROETHANE (1,1,1-TCA)	71-55-6	
1,2:3,4 DIEPOXYBUTANE	1464-53-5	
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	
1,2-DICHLOROETHANE	107-06-2	
1,2,5,6-TETRABROMOCYCLOOCTANE	3194-57-8	
2,4-DINITROTOLUENE (2,4-DNT)	121-14-2	
2,4,5-TRICHLOROPHENOXYACETIC ACID (2,4,5-T)	93-76-5	
2-ACETYLAMINOFLUORENE	53-96-3	
3,3' DICHLOROBENZIDINE	91-94-1	
3,3' DICHLOROBENZIDINE DIHYDROCHLORIDE	612-83-9	
4,4'-METHYLENE-BIS-(O-CHLOROANILINE) (MOCA)	101-14-4	
4,4'-METHYLENEDIANILINE (MDA)	101-77-9	
4-AMINODIPHENYL	92-67-1	
4-DIMETHYLAMINOAZOBENZENE	60-11-7	
4-NITROBIPHENYL	92-93-3	
5-TERT-BUTYL-2,4,6-TRINITRO-M-XYLENE (MUSK XYLENE)	81-15-2	
ACTINOLITE	77536-66-4	
ALPHA-HEXABROMOCYCLODODECANE	134237-50-6	
ALPHA-NAPHTHYLAMINE	134-32-7	

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Prohibited - Chemicals, Including Parts Containing these Chemicals, Should Not be Used in Lockheed Martin Products			
AMOSITE	12172-73-5		
ANTHOPHYLLITE	77536-67-5		
ARSENIC ACID	7778-39-4		
ASBESTOS	1332-21-4		
BENZENE	71-43-2	Excludes fuel usage	
BENZIDINE	92-87-5		
BETA-HEXABROMOCYCLODODECANE	134237-51-7		
BETA-NAPHTHYLAMINE	91-59-8		
BETA-PROPIOLACTONE	57-57-8		
BIS(CHLOROMETHYL)ETHER	542-88-1		
CADMIUM CHLORIDE	10108-64-2		
CHLOROMETHYL METHYL ETHER	107-30-2		
CHRYSOTILE	12001-29-5		
CI PIGMENT YELLOW 34 (LEAD SULFOCHROMATE YELLOW)	1344-37-2		
CROCIDOLITE	12001-28-4		
CHRYSOTILE ASBESTOS	132207-32-0		
DIARSENIC PENTAOXIDE	1303-28-2		
DIARSENIC TRIOXIDE	1327-53-3		
DIISOBUTYL PHTHALATE (DIBP)	84-69-5		
ETHYLENE DIBROMIDE	106-93-4		
ETHYLENE OXIDE	75-21-8		
ETHYLENEIMINE	151-56-4		
GAMMA-HEXABROMOCYCLODODECANE	134237-52-8		
HEXABROMOCYCLODODECANE	25637-99-4		
IRON PENTACARBONYL	13463-40-6		
LEAD CHROMATE	7758-97-6	Excludes use in batteries and electronics, including circuit card assemblies	
NICKEL CARBONYL	13463-39-3		
N-NITROSODIMETHYLAMINE	62-75-9		
PENTACHLOROPHENOL	87-86-5		
PICRIC ACID	88-89-1		
POLYCHLORINATED BIPHENYLS (PCB)'S	1336-36-3		
TETRACHLOROMETHANE	56-23-5		
TREMOLITE (ASBESTOS)	14567-73-8		
TRICHLOROETHYLENE (TCE)	79-01-6		
TRIS(2-CHLOROETHYL)PHOSPHATE (TCEP)	115-96-8		
VINYL CHLORIDE MONOMER	75-01-4		

Chemical Name	CAS #	Notes/Exclusions
1,2-BIS (2-METHOXYETHOXY) ETHANE	112-49-2	
1,3 BUTADIENE	106-99-0	
1,4 DIOXANE	123-91-1	
1-METHYL-2-PYRROLIDINONE (NMP)	872-50-4	NMP cannot be used in new applications or programs for surface cleaning, degreasing solvent, and paint stripping. Other uses of NMP (for example as an ingredient in coating/primer formulations and potting materials) are allowable. Use of NMP in semiconductor manufacturing (such as to remove photoresists) are also allowable.
2-ETHOXYETHANOL	110-80-5	
2-METHOXYETHANOL 2-METHOXYETHANOL	110-80-5	
2-METHOXIETHANOL 2-METHOXIETHYL ACETATE	109-88-4	
2-[2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethoxy]ethanol	2315-61-9	
2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethanol	2315-67-5	
20-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-3,6,9,12,15,18-	2313-07-5	
hexaoxaicosan-1-ol	2497-59-8	
ACIDS GENERATED FROM CHROMIUM TRIOXIDE AND THEIR	2437 33 0	
OLIGOMERS. NAMES OF THE ACIDS AND THEIR OLIGOMERS:		
CHROMIC ACID, DICHROMIC ACID, OLIGOMERS OF CHROMIC ACID	13530-68-2	
AND DICHROMIC ACID.		
ACIDS GENERATED FROM CHROMIUM TRIOXIDE AND THEIR		
OLIGOMERS. NAMES OF THE ACIDS AND THEIR OLIGOMERS: CHROMIC ACID, DICHROMIC ACID, OLIGOMERS OF CHROMIC ACID AND DICHROMIC ACID.	7738-94-5	
ACRYLONITRILE	107-13-1	
ALPHA-[4-(1,1,3,3-TETRAMETHYLBUTYL)PHENYL-W-		
HYDROXYPOLY(OXY-1,2-ETHANEDIYL)	9002-93-1	
AMMONIUM DICHROMATE	7789-09-5	
ANTIMONY TRIOXIDE	1309-64-4	
ARSENIC	7440-38-2	
BARIUM CHROMATE	10294-40-3	
BASIC POTASSIUM ZINC CHROMATE	11103-86-9	Conversion coatings on COTS connectors and components are excluded

Targeted - Chemicals Should Not Be Used in New Applications or Products				
BERYLLIUM AND BERYLLIUM COMPOUNDS	7440-41-7	Items that contain < or = to 2.0% (wt) beryllium concentration, are not wear items, and are not subjected to any processes that may, under any circumstances produce particulates or fumes during manufacture, assembly, use, or maintenance are exempt. (An aircraft electronic component is an example of an item that is generally exempt.) Wear items (such as, but not limited to, bearings, bushings, and rub strips) or materials that are subject to processes that will produce particulates or fumes shall be submitted for a waiver when concentrations are greater than 0.1% (wt).		
BIS (2-METHOXYETHOXY) ETHER	111-96-6			
BUTYL BENZYL PHTHALATE (BBP)	85-68-7			
CADMIUM AND CADMIUM COMPOUNDS	7440-43-9	Excludes use in batteries		
CALCIUM CHROMATE	13765-19-0			
CHROMIC ACID (H2CRO4)	7738-94-5	Hexavalent chromium based conversion coatings (also called Chemfilm) for aluminum alloys and secondary anodize sealing processes are excluded.		
CHROMIUM(VI) OXIDE (CHROMIUM TRIOXIDE)	1332-82-0	Hexavalent chromium based conversion coatings (also called Chemfilm) for aluminum alloys and secondary anodize sealing processes are excluded.		
CHROMYL DICHLORIDE; CHROMIC OXYCHLORIDE	14977-61-8			
CUMENE	98-82-8			
DECABROMODIPHENYL OXIDE (DECA BDE)	1163-19-5			
DI(2-ETHYLHEXYL) PHTHALATE (DEHP)	117-81-7			
DIALKYL(C7-11-BRANCHED AND LINEAR) PHTHALATE (DHNUP)	68515-42-4			
DIBUTYL PHTHALATE (DBP)	84-74-2			
DICHROMIUM TRIS(CHROMATE)	24613-89-6			
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	111-15-9			
FORMALDEHYDE	50-00-0			
FORMALDEHYDE, oligomeric reaction products with aniline	25214-70-4			
Glycols, polyethylene, mono(1,1,3,3-tet = Poly(oxy-1,2-ethanediyl), .alpha[(1,1,3,3-tetramethylbutyl) phenyl]omegahydroxy-	9036-19-5	Excludes use in batteries and electronics, including circuit card assemblies.		
LEAD	7439-92-1	Excludes lead in metallic alloys.		
LEAD CHROMATE MOLYBDATE SULFATE RED; C.I. PIGMENT RED 104; [THIS SUBSTANCE IS IDENTIFIED IN THE COLOUR INDEX BY COLOUR INDEX CONSTITUTION NUMBER, C.I. 77605.]	12656-85-8			

LEAD MONOXIDE	1317-36-8	Excludes use in batteries and electronics, including circuit card assemblies
LEAD PEROXIDE	1309-60-0	Excludes use in batteries and electronics, including circuit card assemblies
LEAD TETRAOXIDE (LEAD OXIDE)	1314-41-6	Excludes use in batteries and electronics, including circuit card assemblies
LEAD(II) SULFATE	7446-14-2	
MAGNESIUM CHROMATE HEPTAHYDRATE	13423-61-5	
MERCURY	7439-97-6	
MERCURY(II) CHLORIDE	7487-94-7	
MERCURY(II) NITRATE	10045-94-0	
MERCURY(II) NITRATE MONOHYDRATE	7783-34-8	
MERCURY(II) OXIDE	21908-53-2	
MERCURY(II) SULFATE	7783-35-9	
MERCURY(II) SULFIDE	1344-48-5	
MERCURY(II) THIOCYANATE	592-85-8	
METHYLENE CHLORIDE	75-09-2	
N,N-DIMETHYLFORMAMIDE	68-12-2	
NAPHTHALENE	91-20-3	Excludes fuel usage
(NEODECANOATO-O) PHENYLMERCURY	26545-49-3	
NICKEL DIHYDROXIDE	12054-48-7	
N-PROPYL BROMIDE (1-BROMOPROPANE)	106-94-5	
PENTAZINC CHROMATE OCTAHYDROXIDE	49663-84-5	
PHENYLMERCURIC 2-ETHYLHEXANOATE	13302-00-6	
PHENYLMERCURIC ACETATE	62-38-4	
PHENYLMERCURIC PROPIONATE	103-27-5	
PIGMENT VIOLET 29	81-33-4	
PITCH, COAL TAR, HIGH-TEMP	65996-93-2	
POTASSIUM CHROMATE	7789-00-6	
POTASSIUM DICHROMATE	7778-50-9	
SODIUM CHROMATE	7775-11-3	
SODIUM CHROMATE TETRAHYDRATE	10034-82-9	
		Hexavalent chromium based conversion coatings (also called Chemfilm) for
		aluminum alloys and secondary anodize sealing processes are excluded. Sodium
		dichromate used for passivation of stainless steel alloys 303, 347, 420, 430 and 440
SODIUM DICHROMATE	10588-01-9	are excluded.
SODIUM DICHROMATE DIHYRDRATE	7700 12 0	Hexavalent chromium based conversion coatings (also called Chemfilm) for
	7789-12-0	aluminum alloys and secondary anodize sealing processes are excluded.
STRONTIUM CHROMATE	7789-06-2	
TETRACHLOROETHYLENE	127-18-4	
TRILEAD DIOXIDE PHOSPHONATE	12141-20-7	