List of Chemicals of Concern in Marine Products

The left column is derived from ingredients listed on the Material Safety Data Sheets of surveyed marine products and are identified as a carcinogen, neurotoxin, developmental toxin, or endocrine disruptor according to the sources below:

- California Proposition 65 list of chemicals known to cause cancer or reproductive toxicity
- European Commission Environment - European Chemicals Agency (ECHA)

The top group of chemicals are those not on the Cal Prop 65 List or ECHA List, but are mentioned as chemicals of concern specifically for the maritime industry due to impact on aquatic ecosystems; or are a chemical of concern found in marine products according to the following sources:

- Product Inventories of San Francisco Maritime Businesses
- California Coastal Commission – Clean Green Boat Maintenance Checklist and California Clean Marina Toolkit
- San Francisco Approved Products List www.sfapproved.org
- Good Guide www.goodguide.com
- Reports produced by the Institute for Research and Technical Assistance www.irta.us
- AB 1824 Senate Bill on Holding Tank Treatments

The "x" indicates that the chemical has been found to be an ingredient in that product category through published data or through a comparison of MSDS with lists of chemicals of concern

	CLEANERS										MATERIALS						PAINT		REMOVER					OTHER					
Subcategory	teak cleaner	carpet/upholstery/cleaner	metal cleaners	detergent/soaps	drain opener	scouring powder	cleaners/degreasers	glass cleaners	shower cleaner	holding tank treatment	plastic	sealant	epoxy	filler	adhesive	resins	solvent/thinner/paint/primer	antifouling paint	paint stripper/graffiti remover	varnish remover	rust remover	adhesive remover	mildew remover	polish	lubricants	anti-freeze/coolant	fuel additive	wood preservative	varnish
Alkylphenol or Nonylphenol Ethoxylates (APE/NPE)				x			x																						
Ammonium chloride										x																			
Chlorinated solvents				x		x	x																					x	
Creosote																												x	
D-limonene							x																						
Diethanolamine							x																						
Ethyl Alcohol									x																				
Folpet																												x	
Glycol Ethers								x																					
Lye				x																									
Pentachlorophenol (PCP)																												x	
Petroleum distillates/ Naphtha			x	x			x												x		x	x							
Phosphates/ phosphoric acid	x			x			x														x		x						
Quarternary ammonia				x																									
Sodium hydroxide	x				x		x																						

Sodium hypochlorite (bleach)	x			x		x	x															x							
Tributyltin																		x										x	
Zinc Pyrithione																		x											
1,1,1-Trichloroethane /TCA																	x												
1-Bromopropane / propyl bromide							x								x	x	x												
2-Bromopropane							x																						
2-Ethoxyethyl acetate							x										x												
2-Ethylhexanoic acid																												x	
Acetone																	x		x										
Acrylamide																x	x												
Acrylonitrile																x	x												
Arsenic (inorganic oxides)																	x											x	
Benzene							x								x		x	x				x					x		
Benezenesulfonamide																	x												
Benzyl alcohol																			x										
Butadiene															x	x													
Cadmium											x						x												
Carbon disulfide							x									x	x		x										
Carbon tetrachloride																	x		x										
Chromium (hexavalent)																	x												
Copper (cuprous oxide)																	x	x											
Cumene																	x												
Cyclohexane																	x												
Cyclohexanol																	x												
Cyclohexanone																	x												
Decamethylcyclopentasiloxane (D5)							x																						
Diethylene glycol																	x								x				
Diglycidyl ether													x																
Dimethylamine																											x		
Dinitrobenzene																x	x						x						
Dinitrotoluene (technical grade)											x																		
Epichlorohydrin													x																
Ethyl acetate									x								x												
Ethyl benzene															x		x	x	x			x					x		x
Ethylene dibromide																											x	x	
Ethylene glycol																									x				
Ethylene glycol monobutyl ether / 2-butoxyethanol			x				x									x											x		
Ethylene glycol monoethyl ether / cellosolve							x						x			x													x
Ethylene glycol monoethyl ether acetate																x	x			x									
Ethylene glycol monomethyl ether / methyl cellosolve																x	x												x
Ethylene glycol monomethyl ether acetate																x	x												x
Ethyl-tert-butyl ether																											x		
Formaldehyde							x			x				x			x												
Hexamethylphosphoramide											x																		
Isopropyl alcohol							x					x		x	x		x												
Lead																	x										x		
Methanol							x										x		x										
Methyl butyl ketone																	x												
Methyl ethyl ketone																	x		x			x							

Methylcyclopentane																	x											
Methylene Chloride							x										x		x		x	x						
N,N-Dimethylacetamide															x													
Naphthalene																	x							x			x		x
N-butyl glycidyl ether																x												
N-Hexane			x				x								x		x				x							
N-Methyl Pyrrolidone (NMP)			x				x										x		x			x						
Nickel																	x											
Nitrobenzene																	x							x				
N-Propylbenzene																x											x	
O-Phenylenediamine dihydrochloride			x																									
Perchloroethylene / PERC/ Tetrachloroethylene							x					x			x		x		x		x			x	x			
Petroleum Naphtha																											x	
Phthalate											x			x	x	x	x	x							x			
Phenyl glycidyl ether													x															
Polybrominated biphenyls											x																	
Silica																	x											
Sodium Dimethyldithiocarbamate																											x	
Styrene																x												
Sulfuric acid							x																					
Tert-Amyl methyl ether																											x	
Tetrachloroethane																	x		x									
Toluene / Methyl benzene							x					x			x		x		x			x						
Toluene Diisocyanate																x	x											
Trichloroethylene (TCE)																	x		x		x							
Trientine hydrochloride													x															
Vinyl chloride											x																	
Xylene															x		x	x	x			x						x