

## 6. COMMONLY USED HAZARDOUS CHEMICALS

<b>PRODUCT</b>	<b>CAS NUMBER</b>	<b>WARNING - REASON</b>	<b>WHERE COMMONLY FOUND</b>
Acetone	67-64-1	May cause kidney damage and damage to a developing fetus	Mark and scuff removers, spot treatment. Cleaners & nail polish removers
Aluminum Oxide	1344-28-1	Neurotoxin	Abrasive cleaners
Ammonia, Aqua ammonia or Hydrated ammonia, Ammonium hydroxide	7664-41-7 1336-21-6	May cause liver damage; ammonia gas may cause edema	Metal polishes and window cleaners
Alkyl phenol ethoxylate (APE)	9016-45-9	Endocrine disrupter, toxic to aquatic life	Hard surface cleaners, wax and floor finish emulsions, laundry detergents
Benzene	71-43-2	Carcinogen, has been shown to cause leukemia	Degreasers
2 – Butoxyethanol, Butyl cellosolve, Ethylene glycol monobutyl ether	111-76-2	May cause liver, kidney, respiratory and reproductive damage	Heavy duty cleaners, degreasers and wax strippers, concrete sealers
Carbon Tetrachloride	56-23-5	Toxic by SARA, NRPI& CERCLA. Air pollutant. Carcinogenic. Teratogen	Solvent cleaners
Chlorine	7782-50-5	Toxic by SARA & NRPI. Air Pollutant	Bowl cleaners, bleach
Cocamide diethanolamine (Cocamide DEA)	68603-42-9	Suspected carcinogen (EPA)	All purpose and multi purpose cleaners, dishwashing detergents, carpet/upholstery cleaning products, hand cleaners

<b>PRODUCT</b>	<b>CAS NUMBER</b>	<b>WARNING - REASON</b>	<b>WHERE COMMONLY FOUND</b>
d-Limonene, 1-Methylcyclohexene 4-Isopropenyl	5989-27-5	Suspected sensitizer, may also cause liver damage in animals	All purpose cleaners and solvents
Dibutyl phthalate	84-74-2	Endocrine disrupter, may cause kidney and fetal damage; a skin irritant	Hard surface cleaners, floor finishes, latex paints
1,2 Dichlorobenzene	95-50-5	Toxic by SARA, NRPI & CERCLA	Deodorant blocks
Diethanolamine (DEA)	111-42-2	Skin and respiratory toxicant	Hard surface cleaners, floor finish strippers, carpet/upholstery cleaning products dishwasher detergents
Diethylene glycol monobutyl ether	112-34-5	Neuro-toxicant that affects central nervous system	Deodorizers, floor care cleaning products, floor finishes and carpet/upholstery cleaning products
Ethylene glycol	107-21-1	If swallowed in large amounts may cause death	Concrete sealer, floor finishes, cleaners
Formaldehyde, Formalin, Methylene oxide, Methyl aldehyde	50-00-0	Carcinogen; eye and skin irritant	Toilet bowl cleaners, urinal blocks, portable toilet fluid, plywood glue, floor finishes
Hydrochloric acid	7647-01-0	If splashed, causes severe burns to skin and eyes	Toilet bowl cleaners, concrete cleaners

<b>PRODUCT</b>	<b>CAS NUMBER</b>	<b>WARNING – REASON</b>	<b>WHERE COMMONLY FOUND</b>
1-2 propanol (dipropylene glycol n-butyl ether)	29911-28-2	Neurotoxicant	Floor finishes
Isopropyl Alcohol	67-63-0	Toxic by SARA & NRPI. Carcinogenic	Glass Cleaners, Carpet Extraction, Cleaners
Methanol	67-56-1	Toxic by SARA, NRPI & CERCLA. Air pollutant	Cleaners
Methyl ethyl ketone, 2-Butanone, Monophenyl Ether	78-93-3	Highly toxic to the liver, kidney, skin, gastrointestinal and central nervous system. May cause damage to the developing fetus.	Strippers, degreasers, solvent cleaners
Monoethanolamine	141-43-5	Neurotoxicant; respiratory toxicant; skin or sense organ toxicant	Cleaners
N-Methyl-2-pyrrolidone (NMP)	872-50-4	Reproductive and developmental toxicant; may also cause damage to the liver and kidneys; blood toxicant	Floor finish strippers, and polyurethane floor finishes; carpet cleaners; general purpose cleaners
Nonyl phenol ethoxylate, Nonoxynol 4,6,7,9,10 (NPE), Ethoxylated nonyl phenol, Octyl phenol ethoxylates (OPE)	9016-45-9	Endocrine disrupter, toxic to aquatic life	Neutral cleaners, strippers, paste cleaners, laundry products and hard surface cleaners, oven cleaners, degreasers
Paradichlorobenzene, p-Dichlorobenzene 1,4 Dichlorobenzene	106-46-7	Carcinogen, may also cause liver and kidney damage	Washroom deodorizers, urinal blocks

<b>PRODUCT</b>	<b>CAS NUMBER</b>	<b>WARNING – REASON</b>	<b>WHERE COMMONLY FOUND</b>
Perchloroethylene Perk	127-18-4	Carcinogen linked to liver cancer. Inhalation of fumes can cause dizziness, loss of consciousness, nervous system damage and death	Dry cleaning fluid, carpet spotters, stainless steel cleaners, bonnet pad cleaners, crystal cleaning fluid
Phenol	108-95-2	Toxic by SARA, NRPI & CERCLA. Air pollutant. Teratogen	Degreasers, cleaners & bowl cleaners
Phenoxyethanol, Glycol mono phenyl ether	122-99-6	May impair fertility, suspected development toxicant	Hand cleaners and hand soaps
Phosphoric acid	7664-38-2	Extremely corrosive, burns eyes and skin on contact. May cause damage to the central nervous system and respiratory tract	Dishwasher detergents, metal cleaners, toilet bowl cleaners, descaling agents
Potassium hydroxide	1310-58-3	Skin or sense organ toxicant	Degreasers, oven cleaners
Propylene glycol monomethyl ether	107-98-2	Reproductive toxin. May also cause damage to the liver, kidneys and central nervous system	Floor polishes, hard surface and carpet/upholstery cleaning products
Silica (crystalline), Silicon dioxide	14808-60-7	Carcinogen; respirable dust can cause acute pulmonary fibrosis (silicosis)	Cream cleansers, powder cleansers, abrasive cleansers
Sodium dodecylbenzene sulfonate	25155-30-0	Gastrointestinal or liver toxicant. Neurotoxicant	Cleaners
Sodium carbonate	497-19-8	Gastrointestinal or liver toxicant. Respiratory toxicant	Cleaners, sanitizers

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Sodium lauryl sulfate	151-21-3	Gastrointestinal or liver toxicant	Handsoap, abrasive cleaners
Sodium hypochlorite, Hypochlorous acid, Clorox bleach liquor	7681-51-9	Liver, skin, cardiovascular and neurotoxin. High exposure can lead to vomiting and coma. Highly toxic to shellfish and other aquatic and marine life	Bleach
Sulfuric acid	7664-93-9	Causes damage to respiratory system, eyes, skin, teeth and lungs. Fatal if swallowed. Pulmonary edema	Toilet bowl cleaner. Toilet pipe block clearing product
Toluene	108-88-3	May cause liver, kidney and brain damage and damage to the developing fetus. High exposures can lead to death	Graffiti removers
Trichloroethylene	79-01-6	Carcinogen may cause liver, kidney and respiratory damage. High exposures can lead to irregular heartbeat and heart damage	Spot cleaners, degreasers
Trisodium nitrilotriacetate	18662-53-8 5064-31-3	Carcinogen may cause damage to kidneys and liver. Impedes elimination of metals in wastewater treatment	Floor finish strippers, dishwashing detergents, carpet treatments, non phosphated laundry detergents, water softeners
Xylene	1330-20-7	May cause liver, kidney and fetal damage. High exposures could cause loss of memory, loss of consciousness and death	Floor finishes, paint removers, laundry spot, removers, ironing aids, lubricants

## LIMITED USE SUBSTANCES:

LIMITED USE PRODUCT	CAS NUMBER	WARNING - REASON FOR LIMITED USE	LIMITED USE (At use dilution)	WHERE COMMONLY FOUND
Diethylene glycol monomethyl ether, Methyl carbitol, Methoxyethoxy ethanol	111-77-3	May cause fetal damage. Damage to liver & kidneys or impair fertility in humans.	5% allowable as film forming agent in floor finishes	Detergents and solvents, deodorizers. Floor care cleaning products, floor finishes and carpet/upholstery cleaning products
Diethylene glycol monoethyl ether, Ethyl carbitol	111-90-0	May cause damage to liver, kidneys and central nervous system	5% allowable as film forming agent in floor finishes	Detergents and solvents, deodorizers, floor care cleaning products, floor finishes and carpet/upholstery cleaning products
Ethylenediamin etetraacetate (EDTA)	64-02-8	Does not meet biodegradability standard.	Limited to 1% by volume	Cleaners, carpet/upholstery cleaning products, Water treatment agents
Monoethanolamine (MEA)	141-43-5	May cause liver, kidney, reproductive, and central nervous system damage. In high concentrations may cause dizziness leading to coma.	5% allowable in a floor finish stripper. "Product label must have a warning of <i>"NOT to be used by someone who is pregnant."</i>	Oven cleaners, tub and tile cleaners, laundry pre-soaks, floor finish strippers, carpet/upholstery cleaning products

## HEALTH WARNING CATEGORY AND CHEMICAL:

CATEGORY	CHEMICAL	CAS NUMBER
<b>Carcinogen</b>	Benzene	71-43-2
	Carbon Tetrachloride	56-23-5
	Cocamide diethanolamine	68603-42-9
	Isopropyl Alcohol	67-63-0
	Methylene chloride	75-09-2
	Formaldehyde 37%, Formalin, Methylene oxide, Methyl aldehyde	50-00-0
	Napthalene	91-20-3
	Paradichlorobenzene, p-Dichlorobenzene, 1,4 Dichlorobenzene	106-46-7
	Perchloroethylene, Perk	127-18-4
	Silica (crystalline), Silicon dioxide	14808-60-7
	Trisodium nitrilotriacetate	18662-53-8 or 5064-31-3
	Tetrachlorethylene	127-18-4
	Trichloroethylene	79-01-6
<b>Endocrine Disrupter</b>	Dibutyl phthalate	84-74-2
	APE, NPE, OPE	9016-45-9