

## UPMADE® Restricted Substance list

UPMADE® certification sets restrictions for dangerous chemicals used in the production to keep the customers, workers and the environment safe. The following substances can not be used in the certified production line or found in products:

Name of the substance	CAS number
<b>Alkylphenol Ethoxylates / Alkylphenols (APEOs/APs)</b>	
Nonylphenol Ethoxylates (NPE)	Various
Nonylphenoethoxylates (NP1EO)	104-35-8
Octylphenol Ethoxylates (OPE)	Various
Octylphenoethoxylates (OP1EO)	51437-89-9
Nonylphenol (NP)	Various
Octylphenol (OP)	various
2-(2H-Bensotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)phenol	25973-55-1
<b>Chlorinated Aromatic Hydrocarbons</b>	
Chlorobenzenes	Various
Chloronaphthalenes	Various
Chlorortoluenes	Various
Chloroxylenes	Various
<b>Chlorinated Organic Solvents</b>	
1,2-Dichloroethane	107-06-2
1,1-Dichloroethane	75-34-3
1,1-Dichloroethylene	75-35-4
Methylene Chloride	75-09-2
cis-1,2-Dichloroethylene	156-59-2
trans-1,2-Dichloroethylene	156-60-5
chloroform	67-66-3
1,1,1-Trichloroethane	71-55-6
Carbon Tetrachloride	56-23-5
Trichloroethylene	79-01-6
1,1,2-trichloroethane	79-00-5
1,1,1,2-tetrachloroethane	630-20-6
1,1,2,2-Tetrachloroethane	79-34-5
Tetrachloroethylene	127-18-4
1,2,3-trichloropropane	96-18-4
<b>Brominated Organic Solvent</b>	
1-bromopropane (n-propyl bromide)	106-94-5
2-bromopropane	75-26-3
<b>Dimethylformamide (DMF)</b>	
Dimethylformamide (DMF)	68-12-2
<b>Organic Solvents</b>	
Benzene (Benzol)	71-43-2
1,4-Butanediol	110-63-4
Dimethylacetamide (DMAC)	127-19-5
Ethylene glycol monoethyl ether	110-80-5
n-Hexane	110-54-3
4,4'-Methylene-bis-(2-chloroaniline) (MOCA)	101-14-4

Phenol	108-95-2
Toluene (Toluol)	108-88-3
Xylene	1330-20-7, 95-47-6, 108-38-3, 106-42-3
o-cresol	95-48-7
p-cresol	106-44-5
m-cresol	108-39-4
Cyclododecane	294-62-2
hexamethylphosphoramide (HEMPA)	680-31-9
N-methylformamide	123-39-7
Furan	110-00-9
N-methyl-2-pyrrolidone	872-50-4