

**WAC 246-273-050 Ingredients—Prohibitions and conditions. (1)**

The following substances and compounds shall not be ingredients of approved on-site sewage disposal system additives. Trace amounts of these substances and compounds may exist in approved on-site sewage disposal system additives if deemed safe by the department for use in an on-site sewage disposal system.

(a) Any substance or compound listed as an EPA toxic pollutant in Title 40 Code of Federal Regulations (C.F.R. 40) 1994, Part 122, Tables II, III, and V of Appendix D:

**Table II—Organic Toxic Pollutants In Each Of Four Fractions In Analysis By Gas Chromatography/Mass Spectroscopy (GS/MS)**

*Volatiles*

IV	acrolein
2V	acrylonitrile
3V	benzene
5V	bromoform
6V	carbon tetrachloride
7V	chlorobenzene
8V	chlorodibromomethane
9V	chloroethane
10V	2-chloroethylvinyl ether
11V	chloroform
12V	dichlorobromomethane
14V	1,1-dichloroethane
15V	1,2-dichloroethane
16V	1,1-dichloroethylene
17V	1,2-dichloropropane
18V	1,3-dichloropropylene
19V	ethylbenzene
20V	methyl bromide
21V	methyl chloride
22V	methylene chloride
23V	1,1,2,2-tetrachloroethane
24V	tetrachloroethylene
25V	toluene
26V	1,2-trans-dichloroethylene
27V	1,1,1-trichloroethane
28V	1,1,2-trichloroethane
29V	trichloroethylene
31V	vinyl chloride

*Acid Compounds*

1A	2-chlorophenol
2A	2,4-dichlorophenol
3A	2,4-dimethylphenol
4A	4,6-dinitro-o-cresol
5A	2,4-dinitrophenol
6A	2-nitrophenol
7A	4-nitrophenol
8A	p-chloro-m-cresol

9A pentachlorophenol  
10A phenol  
11A 2,4,6-trichlorophenol  
*Base/Neutral*  
1B acenaphthene  
2B acenaphthylene  
3B anthracene  
4B benzidine  
5B benzo(a)anthracene  
6B benzo(a)pyrene  
7B 3,4-benzofluoranthene  
8B benzo(ghi)perylene  
9B benzo(k)fluoranthene  
10B bis(2-chloroethoxy)methane  
11B bis(2-chloroethyl)ether  
12B bis(2-chloroisopropyl)ether  
13B bis(2-ethylhexyl)phthalate  
14B 4-bromophenyl phenyl ether  
15B butylbenzyl phthalate  
16B 2-chloronaphthalene  
17B 4-chlorophenyl phenyl ether  
18B chrysene  
19B dibenzo(a,h)anthracene  
20B 1,2-dichlorobenzene  
21B 1,3-dichlorobenzene  
22B 1,4-dichlorobenzene  
23B 3,3'-dichlorobenzidine  
24B diethyl phthalate  
25B dimethyl phthalate  
26B di-n-butyl phthalate  
27B 2,4-dinitrotoluene  
28B 2,6-dinitrotoluene  
29B di-n-octyl phthalate  
30B 1,2-diphenylhydrazine  
(as azobenzene)  
31B fluoranthene  
32B fluorene  
33B hexachlorobenzene  
34B hexachlorobutadiene  
35B hexachlorocyclopentadiene  
36B hexachloroethane  
37B indeno(1,2,3-cd)pyrene  
38B isophorone  
39B naphthalene  
40B nitrobenzene  
41B N-nitrosodimethylamine  
42B N-nitrosodi-n-propylamine  
43B N-nitrosodiphenylamine

- 44B phenanthrene
- 45B pyrene
- 46B 1,2,4-trichlorobenzene

*Pesticides*

- 1P aldrin
- 2P alpha-BHC
- 3P beta-BHC
- 4P gamma-BHC
- 5P delta-BHC
- 6P chlordane
- 7P 4,4'-DDT
- 8P 4,4'-DDE
- 9P 4,4'-DDD
- 10P dieldrin
- 11P alpha-endosulfan
- 12P beta-endosulfan
- 13P endosulfan sulfate
- 14P endrin
- 15P endrin aldehyde
- 16P heptachlor
- 17P heptachlor epoxide
- 18P PCB-1242
- 19P PCB-1254
- 20P PCB-1221
- 21P PCB-1232
- 22P PCB-1248
- 23P PCB-1260
- 24P PCB-1016
- 25P toxaphene

**Table III-Other Toxic Pollutants (Metals and Cyanide) and Total Phenols**

Antimony, Total  
 Arsenic, Total  
 Beryllium, Total  
 Cadmium, Total  
 Chromium, Total  
 Copper, Total  
 Lead, Total  
 Mercury, Total  
 Nickel, Total  
 Selenium, Total  
 Silver, Total  
 Thallium, Total  
 Zinc, Total  
 Cyanide, Total  
 Phenols, Total

**Table IV-Toxic Pollutants and Hazardous Substances Required To Be Identified By Existing Dischargers If Expected To Be Present**

*Toxic Pollutants*

Asbestos

*Hazardous Substances*

Acetaldehyde  
Allyl alcohol  
Allyl chloride  
Amyl acetate  
Aniline  
Benzonitrile  
Benzyl chloride  
Butyl acetate  
Butylamine  
Captan  
Carbaryl  
Carbofuran  
Carbon disulfide  
Chlorpyrifos  
Coumaphos  
Cresol  
Crotonaldehyde  
Cyclohexane  
2,4-D(2,4-Dichlorophenoxy acetic acid)  
Diazinon  
Dicamba  
Dichlobenil  
Dichlone  
2,2-Dichloropropionic acid  
Dichlorvos  
Diethyl amine  
Dimethyl amine  
Dinitrobenzene  
Diquat  
Disulfoton  
Diuron  
Epichlorohydrin  
Ethion  
Ethylene diamine  
Ethylene dibromide  
Formaldehyde  
Furfural  
Guthion  
Isoprene  
Isopropanolamine  
Dodecylbenzenesulfonate  
Kelthane  
Kepone  
Malathion  
Mercaptodimethur  
Methoxychlor  
Methyl mercaptan  
Methyl methacrylate  
Methyl parathion  
Mevinphos  
Mexacarbate  
Monoethyl amine  
Monomethyl amine  
Naled

Napthenic acid  
Nitrotoluene  
Parathion  
Phenolsulfanate  
Phosgene  
Propargite  
Propylene oxide  
Pyrethrins  
Quinoline  
Resorcinol  
Strontium  
Strychnine  
Styrene  
2,4,5-T (2,4,5-Trichlorophenoxy acetic acid)  
TDE (Tetrachlorodiphenylethane)  
2,4,5-TP (2-(2,4,5-Trichlorophenoxy  
propanoic acid)  
Trichlorofan  
Triethanolamine  
Dodecylbenzenesulfonate  
Triethylamine  
Trimethylamine  
Uranium  
Vanadium  
Vinyl acetate  
Xylene  
Xylenol  
Zirconium

(b) Other chemicals deemed by the department to be detrimental to on-site sewage disposal system function, public health, or water quality.

(2) The department may prohibit (not approve on-site sewage system additives containing) acids and bases depending upon the effect on public health or groundwater of their concentration when applied according to the manufacturer's product-use instructions.

[Statutory Authority: Chapter 70.118 RCW and RCW 43.70.040. WSR 95-24-062, § 246-273-050, filed 12/1/95, effective 1/1/96.]