

LIST OF TREATED CONTAMINANTS.

In case of any chemical concern, contact us and we provide more appropriate guidelines to eliminate them biologically . We will advice also for comfort, regulatory controls or manifestation of unpleasant odors to define your requirements, and point you in the most appropriate AIRcel solution .

Biological oxidation , in general, and AIRcel bio- reactors , in particular , are absolutely effective in the treatment of the chemical compounds present in the EPA list of hazardous air pollutants , which include the following items (but is not limited to these) :

#	
1,1-	Dimethyl hydrazine
1,1,2-	Trichloroethane
1,1,2,2 -	tetrachloroethane
1,2-	dibromo -3- chloropropane
1,2-	Diphenylhydrazine
1,2-	epoxybutane
1,2-	Propylenimine (2-methyl aziridine)
1,2,4 -	trichlorobenzene
1,3	butadiene
1,3-	propane sultone
1,4-	Dichlorobenzene (p)
1,4-	Dioxane (1,4- Diethyleneoxide)
2 -	acetylaminofluorene
2 -	chloroacetophenone
2 -	Nitropropane
2,2,4-	trimethylpentane
2,3,7,8-	tetrachlorodibenzo -p- dioxin
2,4-D,	salts and esters
2,4-	toluene diisocyanate
2,4-	dinitrophenol
2,4-	dinitrotoluene
2,4-	toluene diamine
2,4,5-	trichlorophenol
2,4,6-	trichlorophenol
3,3 ' -	dimethyl benzidine
3,3-	Dichlorobenzidene
3,3	dimethoxybenzidine
4 -	Aminobiphenyl
4 -	nitrobiphenyl

4 - nitrophenol
4,4 - methylenedianiline
4,4- methylenebis (2 - chloroaniline)
4,6- dinitro -o- cresol and its salts

A

acetaldehyde
acetamide
Vinyl acetate
acetophenone
acetone
acrylic acid
acid cloracetico
hydrochloric acid
acrylamide
Ethyl acrylate
acrylonitrile
Acroelina
alcohols
ammonia
phthalic anhydride
maleic anhydride
aniline
asbestos

B

Fine mineral fibers³
Benzene (including benzene from the fuel)
benzidine
Benzilchloride
petrol
Benzotricloride
beta- propiolactone
Bietere
biphenyl
Polychlorinated biphenyls (Aroclors)
Biftalato
bromoform
Methyl bromide (bromomethane)
Vinyl bromide

C

calcium
caprolactam

Ethyl carbamate (Urethane)
catechol
quinoline
quinone
cyanide Compounds¹
Clorambene
chlordan
chlorine
chlorobenzene
chloroform
chloromethyl methyl
chloroprene
Allyl chloride
Ethyl chloride (Chloroethane)
Methyl chloride (chloromethane)
Methylene chloride (dichloromethane)
Vinyl chloride
Vinylidene chloride (1,1- dichloroethylene)
Coke emissions
Cadmium compounds
Mercury compounds
Antimony compounds
Arsenic compounds (inorganic including arsine)
Beryllium compounds
Cobalt compounds
Chromium compounds
Manganese compounds
Lead compounds
Selenium compounds
Cresols / cresylic acid (and mixture of isomers)
Cumene

D

DDE
diazomethane
dibenzofurans
Ethylene dibromide (dibromoethane)
dibutyl phthalate
Dichloroethylene (bis (2 - chloroethyl) ether)
dichloropropene
Ethylene dichloride (1,2- Dichloroethane)
Propylene dichloride (1,2- Dichloropropane)
diethanolamine
dimethyl aminoazobenzene
Dimethyl carbamoyl chloride
dimethyl formamide
dimethyl phthalate
Carbon disulphide

E

Epichlorohydrin (1 -chloro- 2 ,3- epoxypropane)
heptachlor
hexachlorobenzene
hexachlorobutadiene
hexachlorocyclopentadiene
hexachloroethane
Hexamethylene -1 ,6- diisocyanate
hexane
ethanol
Ethylidene dichloride (1,1- Dichloroethane)
ethylbenzene
Ethylene imine (aziridine)
ethylene
ethylene

F

phenol
Hydrogen fluoride (hydrofluoric acid)
formaldehyde
phosphine
phosphorus
phosgene

G

glycol ethers²

H

Hexametilfosforamide
hydrazine
hydroquinone
hydrogen sulfide
Methyl iodide (iodomethane)
Methyl isocyanate
isophorone

L

Lindane (all isomers)

M

M- cresol
M- xylenes
methanol
methyl hydrazine
Methyl isobutyl ketone (Hexone) (MIBK)
Methyl tert-butyl ether (MTBE)
Methyl chloroform (1,1,1 -trichloroethane)
Methylene diphenyl diisocyanate (MDI)
Methyl ethyl ketone (2- butanone)
Methyl methacrylate
Metoxicloro

N

N- nitroso- N- Methylurea
N- nitrosodimethylamine
N- nitrosomorfolina
N, N- dimethylaniline
naphthalene
nickel compounds
nitrobenzene

O

o- anisidine
O- cresol
o- Toluidine
O- xylenes
fuel oil
Ethylene oxide
Propylene oxide

P

p- phenylenediamine
p- Xylene
Paint solvents
parathion
Pentachloronitrobenzene (Quintobenzene)
pentachlorophenol
Polycyclic organic Matter⁴
propionaldehyde
Propoxur (Baygon)

R

Radionuclides (including radon) 5

S

Diethyl sulphate
Dimethyl sulphate
Carbon disulphide
solvents
styrene
styrene oxide

T

Tetrachloroethylene (Perchloroethylene)
Carbon tetrachloride
titanium tetrachloride
toluene
Toxaphene (chlorinated camphene)
Trichloroethylene
triethylamine
trifluralin

X

Xylenes (isomers and mixture)