

Biodiesel and Diesel Chemicals in comparison.

Biodiesel Chemicals.

Methane - suspected respiratory toxicant.

Ethane - suspected respiratory toxicant.

Ethylene - suspected respiratory toxicant

Propane - suspected neurotoxicant, suspected respiratory toxicant.

Acetylene - suspected neurotoxicant, suspected respiratory toxicant.

Propadiene - chemical has not been ranked, no data. This will be signified as follows throughout the document - (CHNBR, ND).***

Butane - suspected neurotoxicant.

Trans-2-butene - (CHNBR,ND).

1-butene - (CHNBR,ND).

2-methylpropene - (CHNBR,ND).

Isobutylene - (CHNBR,ND).

2.2 dimethylpropane - (CHNBR,ND).

Neopentane - (CHNBR,ND).

Propyne - suspected neurotoxicant.

1,3-butadiene - Recognized: Carcinogen, Developmental Toxicant, Reproductive Toxicant.

Suspected: Cardiovascular or Blood Toxicant, Gastrointestinal or Liver Toxicant, Neurotoxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

2-methylpropane - (CHNBR,ND).

Isobutene - (CHNBR,ND).

1-butyne - (CHNBR,ND).

Methanol - Suspected Developmental Toxicant, Gastrointestinal or Liver Toxicant, Kidney Toxicant, Neurotoxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

Cis-2-butene -(CHNBR,ND).

3-methyl-1-butene - (CHNBR,ND).

Ethanol - Suspected: Carcinogen, Cardiovascular or Blood Toxicant, Developmental Toxicant, Endocrine Toxicant, Gastrointestinal or Liver Toxicant, Neurotoxicant, Reproductive Toxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

2-methylbutane - (CHBNR,ND).

Isopentane - (CHNBR,ND).

2-butyne - (CHNBR,ND).

1-pentene -(CHNBR,ND).

Trans-2-pentene - (CHNBR,ND).

3.3-dimethyl-1-butene - (CHNBR,ND).

Cis-2-pentene - (CHNBR,ND).

2-methyl-2-butene - (CHNBR,ND).

Tert-butanol - Suspected: Developmental Toxicant, Kidney Toxicant, Neurotoxicant.

Cyclopentadiene - Suspected: Neurotoxicant.

2.2-dimethylbutane - (CHNBR,ND).

Cyclopentene - (CHNBR,ND).

4-methyl-1-pentene - (CHNBR,ND).

3-methyl-1-pentene - (CHNBR,ND).
Cyclopentane - Suspected: Neurotoxicant.
2,3 dimethylbutane - (CHNBR,ND).
Methyl tert butyl ether - Suspected: Carcinogen, Gastrointestinal or Liver Toxicant, Kidney Toxicant, Neurotoxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

4-methyl-cis-2-pentene - (CHNBR,ND)
3-methylpentane - (CHNBR,ND).
2-methyl-1-pentene - Suspected neurotoxicant, Suspected respiratory toxicant.
1-hexene -(CHNBR,ND).
Hexane - (CHNBR,ND)
Trans-3-hexane - (CHNBR,ND).
C6 Olefins - (CHNBR,ND).
Cis-3-hexene - (CHNBR,ND).
Di-isopropyl ether (CHNBR,ND).
Trans-2-hexene - (CHNBR,ND).
3-methyl-trans-2-pentene - (CHNBR,ND).
2-methyl-1-pentene - Suspected Neurotoxicant, Suspected Respiratory Toxicant.
Trans-3-hexene - (CHNBR,ND).
2,2 dimethylpentane -(CHNBR,ND).
methylcyclopentene - (CHNBR,ND).
2,4 dimethylpentane - (CHNBR,ND).
2,2,3 - trimethylbutane - (CHNBR,ND).
3,4-dimethyl-1-pentene - (CHNBR,ND).
1-methylcyclopentene - (CHNBR,ND).
Benzene - California Proposition 65 List. Recognized Carcinogen P-65. Recognized Developmental Toxicant P-65. Recognized Reproductive Toxicant P-65.

Suspected Cardiovascular or Blood Toxicant, Endocrine Toxicant, Gastrointestinal or Liver Toxicant, Immunotoxicant, Neurotoxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

3-methyl-1-hexene - (CHNBR,ND).
3,3-dimethylpentane -(CHNBR,ND).
Cyclohexane - Suspected Neurotoxicant.
2-methylhexane - (CHNBR,ND).
2,3-dimethylpentane - (CHNBR,ND).
1,1 dimethylcyclopentane - (CHNBR,ND)
tert amyl methyl ether (CHNBR,ND).
Cyclohexene - Suspected Neurotoxicant.
3-methylhexane - (CHNBR,ND).
Cis-1,3dimethylcyclopentane -(CHNBR,ND).
3-ethylpentane - (CHNBR,ND).
Trans-1,2-dimethylcyclopentane - (CHNBR,ND).
Trans-1,3-dimethylcyclopentane -(CHNBR,ND).
1-heptene - (CHNBR,ND).
2,2,4-Trimethylpentane - (CHNBR,ND).
2-methyl-1-hexene - (CHNBR,ND).
Trans-3-heptene - (CHNBR,ND).
Heptane - (CHNBR,ND).
Cis-3-heptene - (CHNBR,ND).
Unidentified C-7 (CHNBR,ND).
2-methyl-2-hexene- (CHNBR,ND).

3-methyl-trans-3-hexene - (CHNBR,ND).
Trans-2-heptene - (CHNBR,ND).
3-ethyl-cis-2-pentene - (CHNBR,ND).
2,4,4-trimethyl-1-pentene- (CHNBR,ND)
2,3-dimethyl-2-pentene - (CHNBR,ND).
Cis-2-heptene - (CHNBR,ND).
Methylcyclohexane - (CHNBR,ND).
Cis-1.2-dimethylhexane - (CHNBR,ND).
2.2 dimethylhexane - (CHNBR,ND).
1.1,3 - Trimethylcyclopentane - (CHNBR,ND).
2.4,4 - trimethyl-2-pentene - (CHNBR,ND).
2.2.3-trimethylpentane - (CHNBR,ND).
2.5 dimethylhexane - (CHNBR,ND).
Ethylcyclopentane - (CHNBR,ND).
2.4-dimethylhexane -(CHNBR,ND).
1-trans-2-cis-4-trimethylcyclopentane - (CHNBR,ND).
2.3.4-trimethylpentane - (CHNBR,ND).
2.3.3-trimethylpentane - (CHNBR,ND).
Toluene - Recognized Developmental Toxicant, Proposition 65 listed chemical “known to the state of California to cause reproductive toxicity.

Suspected Cardiovascular or Blood Toxicant, Gastrointestinal or Liver Toxicant,
Immunotoxicant, Kidney Toxicant, Reproductive Toxicant, Skin or Sense Organ Toxicant.

2,3 - dimethylhexane - (CHNBR,ND).
1,1,2. - trimethylcyclopentane (CHNBR,ND).
2-methylheptane - (CHNBR,ND).
3,4-dimethylhexane -(CHNBR,ND).
4-methylheptane - (CHNBR,ND)
3-methylheptane - (CHNBR,ND).
1-cis.2-trans.3trimethylcyclopentane - (CHNBR,ND).
Trans-1.4-dimethylcyclohexane - (CHNBR,ND).
3-ethylhexane - (CHNBR,ND).
2.2.5-trimethylhexane - (CHBNR,ND).
Trans-1-methyl-2ethylcyclopentane- (CHNBR,ND).
Cis-1-methyl-3-ethylcyclopentane - (CHNBR,ND).
1,1-dimethylcyclohexane - (CHNBR,ND).
Trans1-methyl-2ethylcyclopentane - (CHNBR,ND)
1-methyl-1-ethyl-cyclopentane - (CHNBR,ND).
2,4,4 -trimethylhexance -(CHNBR,ND).
Trans-1.2dimethylcyclohexane - (CHNBR,ND).
1-octene - (CHNBR,ND).
Trans-4-octene - (CHNBR,ND).
Octane -Suspected Neurotoxicant.
Unidentified C8 - (CHNBR,ND).
Trans-2-octene - (CHNBR,ND).
Trans 1.3 dimethylcyclohexane - CHNBR,ND).
Cis-2-octene - (CHNBR,ND).
Isopropylcyclopentane - (CHNBR,ND).
2.2-dimethylheptane - (CHNBR,ND).
2,3,5-trimethylhexane - (CHNBR,ND).
Cis-1-methyl-2-ethylcyclopentane - (CHNBR,ND).

2.4-dimethylheptane - (CHNBR,ND).
4.4-dimethylheptane - (CHNBR,ND).
Cis-1.2-dimethylcyclohexane - (CHNBR,ND).
Ethylcyclohexane - (CHBNR,ND).
2.6-dimethylheptane- (CHNBR,ND).
1.1.3-trimethylcyclohexane - (CHNBR,ND).
2.5-dimethylheptane - (CHNBR,ND).
3.3-dimethylheptane - (CHNBR,ND).
3.5-dimethylheptane - (CHNBR,ND).

Ethylbenzene - Recognized: Carcinogen, P-65 listed chemical.

Suspected: Cardiovascular or Blood Toxicant

Developmental Toxicant

Endocrine Toxicant

Gastrointestinal or Liver Toxicant

Kidney Toxicant

Reproductive Toxicant

Respiratory Toxicant

Skin or Sense Organ Toxicant.

2,3,4 - trimethylhexane - (CHNBR,ND).

2.3 - dimethylheptane - (CHNBR,ND).

M&P exylene - (CHNBR,ND).

4-methylcyclooctane - (CHNBR,ND).

3.4- dimethylheptane - (CHNBR,ND).

4- ethylheptane - (CHNBR,ND).

2- methylcyclooctane - (CHNBR,ND).

3- methylcyclooctane - (CHNBR,ND).

Styrene - Suspected: Carcinogen.

Cardiovascular or Blood Toxicant

Developmental Toxicant.

Endocrine Toxicant

Gastrointestinal or Liver Toxicant

Immunotoxicant

Kidney Toxicant

Neurotoxicant

Reproductive Toxicant

Skin or Sense Organ Toxicant.

o-xylene- Suspected: Cardiovascular or Blood Toxicant.

Developmental Toxicant

Gastrointestinal Toxicant

Immunotoxicant

Kidney Toxicant

Neurotoxicant

Respiratory Toxicant

Reproductive Toxicant

Skin or Sense Organ Toxicant.

1-nonene - (CHNBR,ND);

trans-3-nonene - (CHNBR,ND).

Cis-3-nonene -(CHNBR,ND).

Nonane - Suspected: Neurotoxicant.

Trans-2-nonene - (CHNBR,ND).

Isopropylbenzene (cumene) Suspected: Gastrointestinal or Liver Toxicant.

2.2- dimethyloctane (CHNBR,ND).
2.4- dimethyloctane (CHNBR,ND).
n-propylbenzene - Suspected: Neurotoxicant.
1-methyl-3-ethylbenzene - (CHNBR,ND).
1-methyl-4-ethylbenzene - (CHNBR,ND).
1,3,5 - trimethylbenzene - Suspected Neurotoxicant.
Respiratory Toxicant.
1-methyl-2-ethylbenzene - (CHNBR,ND).
1,2,4 -trimethylbenzene - Suspected Cardiovascular or Blood Toxicant
Respiratory Toxicant.
Tert-butylbenzene - (CHNBR,ND).
1-decene - (CHNBR,ND).
Decane - (CHNBR,ND).
Isobutylbenzene - (CHNBR,ND).
1,3-dimethyl-5-ethylbenzene - (CHNBR,ND).
Methylpropylbenzene - (CHNBR,ND).
1-methyl-3-isopropylbenzene - (CHNBR,ND).
1,3 -diethylbenzene - (CHNBR,ND).
1,4 -diethylbenzene - (CHNBR,ND).
1,2,3 -trimethylbenzene - (CHNBR,ND).
1-methyl-4-isopropylbenzene - (CHNBR,ND).
Indan - (CHNBR,ND).
1-methyl-2-isopropylbenzene - (CHNBR,ND).
1-methyl-3-n-propylbenzene - (CHNBR,ND).
1-methyl-4-n-propylbenzene - (CHNBR,ND).
1,2-diethylbenzene -(CHNBR,ND).
1-methyl-2-n-propylbenzene - (CHNBR,ND).
1,4-dimethyl-2-ethylbenzene - (CHBR,ND).
1,3-dimethyl-2-ethylbenzene - (CHNBR,ND).
1,2-dimethyl-4-ethylbenzene -(CHNBR,ND).
1,3-dimethyl-2-thylbenzene -(CHNBR,ND).
Undecane - (CHNBR,ND).
1,2-dimethyl-3-ethylbenzene - (CHNBR,ND).
1,2,4,5-tetramethylbenzene -(CHNBR,ND).
2 methylbutylbenzene - (CHNBR,ND).
Amylbenzene - (CHNBR,ND).
3,4 dimethylcumene - (CHNBR,ND).
1,2,3,5-tetramethylbenzene - (CHNBR,ND).
Tert-1-but-2-methylbenzene - (CHNBR,ND).
1,2,3,4-tetramethylbenzene -(CHNBR,ND).
n-pent-benzene - (CHNBR,ND).
Tert-1-but-3.5-dimethylbenzene - (CHNBR,ND).
Tert-1butyl-4-ethylbenzene - (CHNBR,ND).
Naphthalene - Suspected: Endocrine Toxicant.
Gastrointestinal or Liver Toxicant.
Kidney Toxicant
Respiratory Toxicant
Skin or Sense Organ Toxicant.
Dodecane - (CHNMR,ND).
1,3,5-triethylbenzene - (CHNBR,ND).
1,2,4-triethylbenzene - (CHNBR,ND).
Hexylbenzene - (CHNBR,ND).

Unidentified C9-C12+ - (CHNBR,ND).

Formaldehyde - Recognized Carcinogen - P-65 California Chemical List.

Suspected : Gastrointestinal or Liver Toxicant

Immunotoxicant

Neurotoxicant

Reproductive Toxicant

Respiratory Toxicant

Skin or Sense Organ Toxicant

Acetaldehyde - (CHNBR,ND).

Acrolein - Suspected : Carcinogen

Cardiovascular or Blood Toxicant

Developmental Toxicant

Gastrointestinal or Liver Toxicant

Neurotoxicant

Respiratory Toxicant

Skin or Sense Organ Toxicant

Acetone - Suspected: Cardiovascular or Blood Toxicant

Gastrointestinal or Liver Toxicant

Kidney Toxicant

Neurotoxicant

Respiratory Toxicant

Skin or Sense Organ Toxicant.

Propionaldehyde - Suspected: Neurotoxicant.

Crotonaldehyde - Suspected: Carcinogen

Respiratory Toxicant

Skin or Sense Organ Toxicant.

Isobutyraldehyde - Suspected: Respiratory Toxicant.

Methyl ethyl ketone - Suspected Cardiovascular or Blood Toxicant

Developmental Toxicant

Gastrointestinal or Liver Toxicant

Kidney Toxicant

Neurotoxicant

Reproductive Toxicant

Respiratory Toxicant

Skin or Sense Organ Toxicant.

Benzaldehyde - (CHNBR,ND).

Isovaleraldehyde - Suspected :Neurotoxicant

Respiratory Toxicant

Skin or Sense Organ Toxicant

Valeraldehyde - (CHNBR,ND).

o-tolualdehyde - (CHNBR,ND).

M/p-tolualdehyde - (CHNBR,ND).

Dimethylbenzaldehyde - (CHNBR,ND).

The following are chemicals in Diesel Exhaust listed by the Californian Air Resources Board as Toxic Air Contaminants:

acetaldehyde

acrolein

aniline
antimony compounds
arsenic
benzene
beryllium compounds
biphenyl
bis[2-ethylhexyl]phthalate
1,3-butadiene
cadmium
chlorine
hexane
inorganic lead
manganese compounds
mercury compounds
methanol
methyl ethyl ketone
naphthalene
nickel
4-nitobiphenyl
phenol
phosphorus
Polycyclic Aromatic Hydrocarbons
chlorobenzene
chromium compounds
cobalt compounds
cresol isomers
cyanide compounds
dioxins and dibenzofurans
dibutylphthalate
ethyl benzene
formaldehyde
propionaldehyde
selenium compounds
styrene
toluene
xylene isomers and mixtures
o-xylenes
m-xylenes
p-xylenes

According to the Safe Drinking Water and Toxic Enforcement Act of 1986, the following chemicals have been identified.

naphthalene, cancer, CAS No. 91203, Listed- April 19, 2002
benz[b+j+k]fluoranthene, cancer, CAS Nos. 205992, 205823, 207089, Listed- July 1, 1987
benzo[a]pyrene, cancer, CAS No. 50328, Listed- July 1, 1987
dibenzo[a]anthracene, cancer, CAS No.53703, Listed- January 1, 1988
4-nitrobiphenyl, cancer, CAS No. 92933, Listed- April 1, 1988
2-nitrofluorene, cancer, CAS No. 607578, Listed- Oct 1, 1990

1-nitropyrene, cancer, CAS No. 5522430, Listed- Oct 1, 1990
1,6 dinitropyrene, cancer, CAS No. 42397648, Listed- October 1, 1990
1,8 dinitropyrene, cancer, CAS No. 42397659, Listed- October 1, 1990

A search of the website www.scorecard.org/chemical-profiles/
<<http://www.scorecard.org/chemical-profiles/>> revealed the following information
regarding diesel exhaust chemicals.

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Possible Carcinogens include:

coronene

methylphenanthrene

methylanthracene

methylphenanthrene

ethylphenanthrene

3 methylchrysenene

Suspected Carcinogens include:

biphenyl

2 methylbiphenyl

acenaphthylene

acenaphthene

phenanthrene

fluorene

anthracene

fluoranthene

pyrene

Known Carcinogens include:

naphthalene

dimethylbiphenyl

benz[a]anthracene

chrysene

methylbenz[a]anthracene

dibenzopyrene

4 nitrobiphenyl

2 nitrofluorene

1 nitrofluoranthene

1,6 dinitropyrene

1,8 dinitropyrene

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The following information comes from a search of the above mentioned
Scorecard Chemical Website and a list of Chemicals in Diesel Exhaust listed by the
California Air Resources Board as Toxic Air Contaminants.

acetaldehyde- CAS No. 75-07-0. Recognized Carcinogen. Developmental Toxicant,
Immunotoxicant, Kidney Toxicant, Neurotoxicant, Respiratory Toxicant, Skin or Sense
Organ Toxicant.

acrolein- CAS No. 107-02-8. Suspected Carcinogen. Cardiovascular or Blood Toxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant

aniline- CAS No. 62-53-3. Recognized Carcinogen. Cardiovascular or Blood Toxicant, Gastrointestinal or Liver Toxicant, Kidney Toxicant, Neurotoxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

antimony compounds- CAS No. ADQ 500. Suspected Carcinogen. Respiratory Toxicant, Skin or Sense Organ Toxicant.

antimony- CAS No. 7440-36-0. Suspected Carcinogen. Cardiovascular or Blood Toxicant, Neurotoxicant, Reproductive Toxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

arsenic- CAS No. 7440-38-2. Recognized Carcinogen - Developmental Toxicant. Suspected Carcinogen - Cardiovascular or Blood Toxicant, Endocrine Toxicant, Gastrointestinal or Liver Toxicant, Immunotoxicant, Kidney Toxicant, Neurotoxicant, Reproductive Toxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

benzene- CAS No. 71-43-2. Recognized Carcinogen - Developmental Toxicant, Reproductive Toxicant. Suspected Carcinogen - Cardiovascular or Blood Toxicant, Endocrine Toxicant, Gastrointestinal or Liver Toxicant, Immunotoxicant, Neurotoxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

beryllium compounds- CAS No. BFQ 500. Recognized Carcinogen and Suspected Carcinogen- Immunotoxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

1,3 butadiene- CAS No. 106-99-0. Recognized Carcinogen- Developmental Toxicant, Reproductive Toxicant, Suspected Cardiovascular or Blood Toxicant, Gastro Intestinal Toxicant, Neurotoxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

cadmium- CAS No. 7440-43-9. Recognized Carcinogen- Developmental Toxicant, Reproductive Toxicant. Suspected Carcinogen- Cardiovascular Toxicant, Blood, Endocrine, Immunotoxicant, Kidney Toxicant, Neurotoxicant, Respiratory Toxicant.

chlorine- CAS No. 7782-50-5. Suspected Carcinogen- Cardiovascular or Blood Toxicant, Gastrointestinal or Liver Toxicant, Kidney Toxicant, Neurotoxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

hexane- CAS No. 590-73-8. Data Lacking.

inorganic lead- CAS No. 7439-92-1. Recognized Carcinogen- Developmental Toxicant,

Reproductive Toxicant. Suspected Carcinogen- Cardiovascular or Blood Toxicant, Endocrine Toxicant, Gastrointestinal or Liver Toxicant, Immunotoxicant, Kidney Toxicant, Neurotoxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

manganese compounds- CAS No. MAR 500. Suspected Carcinogen. Neurotoxicant, Reproductive Toxicant, Respiratory Toxicant.

mercury compounds- CAS No. EDF-033. Recognized Carcinogen- Developmental Toxicant. Suspected Carcinogen- Cardiovascular or Blood Toxicant, Neurotoxicant.

methanol- CAS No. 67-56-1. Suspected Carcinogen- Developmental Toxicant. Gastrointestinal or Liver Toxicant, Kidney Toxicant, Neurotoxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

methyl ethyl ketone- CAS No. 78-93-3. Suspected Carcinogen- Blood Toxicant, Developmental Toxicant, Gastrointestinal or Liver Toxicant, Kidney Toxicant, Neurotoxicant, Respiratory Toxicant, Reproductive Toxicant, Skin or Sense Organ Toxicant.

nickel- CAS No. 7440-02-0. Recognized Carcinogen. Suspected Carcinogen also- Cardiovascular or Blood Toxicant, Developmental Toxicant, Immunotoxicant, Kidney Toxicant, Neurotoxicant, Reproductive Toxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

phenol- CAS No. 108-95-2. Suspected Carcinogen- Cardiovascular or Blood Toxicant, Developmental Toxicant, Gastrointestinal Toxicant, Liver Toxicant, Kidney Toxicant, Neurotoxicant, Reproductive Toxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

phosphorus- CAS No. 7723-14-0. Suspected Carcinogen- Cardiovascular or Blood Toxicant, Developmental Toxicant, Gastrointestinal or Liver Toxicant, Kidney Toxicant, Musculoskeletal Toxicant, Neurotoxicant, Reproductive Toxicant, Skin or Sense Organ Toxicant.

chlorobenzene- CAS No. 108-90-7. Suspected Carcinogen- Cardiovascular or Blood Toxicant, Developmental Toxicant, Gastrointestinal or Liver Toxicant, Kidney Toxicant, Musculoskeletal Toxicant, Neurotoxicant, Reproductive Toxicant, Skin or Sense Organ Toxicant.

cobalt compounds- CAS No. CNB 850, IARC P65-MC. Suspected Carcinogen- Cardiovascular or Blood Toxicant, Gastrointestinal or Liver Toxicant, Immunotoxicant, Kidney Toxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

cresol isomers- CAS No. 1319-77-3. Suspected Carcinogen. Cardiovascular or Blood Toxicant, Neurotoxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

cyanide compounds- CAS No. 1073. Suspected Carcinogen. Cardiovascular or Blood Toxicant, Endocrine Toxicant, Neurotoxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

dioxins- CAS No. 1746-01-6. Recognized Carcinogen- Developmental Toxicant. Suspected Carcinogen- Cardiovascular or Blood Toxicant, Endocrine Toxicant, Gastrointestinal or Liver Toxicant, Immunotoxicant, Kidney Toxicant, Neurotoxicant, Reproductive Toxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

dibenzofurans- CAS No. 1080. Recognized Carcinogen- Cardiovascular or Blood Toxicant, Developmental Toxicant, Endocrine Toxicant, Gastrointestinal or Liver Toxicant, Reproductive Toxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

dibutylphthalate- CAS No. 84-74-2. Suspected Carcinogen- Developmental Toxicant, Endocrine Toxicant, Gastrointestinal Toxicant, Liver Toxicant, Immunotoxicant, Kidney Toxicant, Neurotoxicant, Reproductive Toxicant, Skin or Sense Organ Toxicant.

ethyl benzene- CAS No. 100-41-4. Recognized Carcinogen. Also Suspected Carcinogen- Cardiovascular or Blood Toxicant, Developmental Toxicant, Endocrine Toxicant, Gastrointestinal or Liver Toxicant, Kidney Toxicant, Neurotoxicant, Reproductive Toxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

formaldehyde- CAS No. 50-00-0. Recognized Carcinogen, Also Suspected Carcinogen- Gastrointestinal or Liver Toxicant, Immunotoxicant, Neurotoxicant, Reproductive Toxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

propionaldehyde- CAS No. 123-38-6. Suspected Carcinogen- Neurotoxicant.

selenium compounds- CAS No. SBP 500, 7782-49-2. Suspected Carcinogen- Cardiovascular or Blood Toxicant, Gastrointestinal or Liver Toxicant, Kidney Toxicant, Musculoskeletal Toxicant, Neurotoxicant, Reproductive Toxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

toluene- CAS No. 108-88-3. Recognized Carcinogen- Developmental Toxicant, Cardiovascular or Blood Toxicant, Gastrointestinal or Liver Toxicant, Immunotoxicant, Kidney Toxicant, Neurotoxicant, Reproductive Toxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

o-xylenes- CAS No. 95-47-6. Suspected Carcinogen- Cardiovascular or Blood

Toxicant, Development Toxicant, Gastrointestinal Toxicant, Liver Toxicant, Immunotoxicant, Kidney Toxicant, Neurotoxicant, Reproductive Toxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

m-xylenes- CAS No.108-38-3. Suspected Carcinogen- Cardiovascular or Blood Toxicant, Developmental Toxicant, Gastrointestinal or Liver Toxicant, Immunotoxicant, Kidney Toxicant, Neurotoxicant, Respiratory Toxicant, Skin or Sense Organ Toxicant.

p-xylenes- CAS No. 106-42-3. Suspected Carcinogen- Cardiovascular or Blood Toxicant, Developmental Toxicant, Gastrointestinal or Liver Toxicant, Immunotoxicant, Kidney Toxicant, Neurotoxicant, Reproductive Toxicant, Skin or Sense Organ Toxicant