

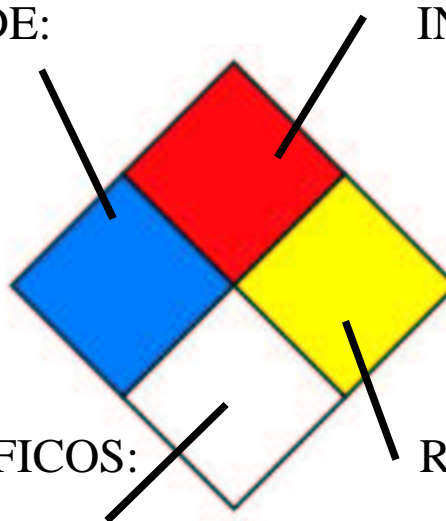
# GUIA DE INFORMAÇÕES DE RISCO

## PARA INSUMOS QUÍMICOS

### DIAMANTE DA NFPA

#### RISCOS À SAÚDE:

- 4 – Letal
- 3 – Muito perigoso
- 2 – Perigoso
- 1 – Risco leve
- 0 – Material normal



#### INFLAMABILIDADE:

- Ponto de Fulgor:
- 4 – Abaixo de 23°C
  - 3 – Abaixo de 38°C
  - 2 – Abaixo de 93°C
  - 1 – Acima de 93°C
  - 0 – Não queima

#### RISCOS ESPECÍFICOS:

- OXY – Oxidante
- ACID – Ácido
- ALK – Álcali (Base)
- COR – Corrosivo
- Não misture com água
- Radioativo

#### REATIVIDADE:

- 4 – Pode explodir
- 3 – Pode explodir com choque mecânico ou calor
- 2 – Reage violentamente
- 1 – Instável se aquecido
- 0 – Estável

### GUIA PARA OS CÓDIGOS DA NFPA (ASSOCIAÇÃO NACIONAL DE PROTEÇÃO CONTRA INCÊNDIOS DOS ESTADOS UNIDOS)

SAÚDE		INFLAMABILIDADE		REATIVIDADE	
Proteção recomendada		Susceptibilidade para inflamar		Susceptibilidade para a liberação de energia	
4	Obrigatoriamente deve usar roupa de proteção completa e proteção respiratória.	4	Muito inflamável.	4	Pode explodir em condições normais.
3	Deveria usar roupa de proteção completa e proteção respiratória.	3	Inflama sob condições normais de temperatura.	3	Pode explodir com choque mecânico ou aquecimento.
2	Deveria ser usado proteção respiratória com proteção facial completa.	2	Inflama com aquecimento moderado.	2	Sofre violenta alteração química, porém não explode.
1	Poderia usar proteção respiratória.	1	Inflama quando pré-aquecido.	1	Instável se aquecido; tenha cuidado.
0	Não são necessários cuidados especiais	0	Não inflama.	0	Normalmente estável.

Este guia apenas constitui uma informação geral; não substitui normas nem as informações contidas nas FISPQ (MSDS).

# GUIA DE INFORMAÇÃO DE RISCOS DE ACORDO COM O

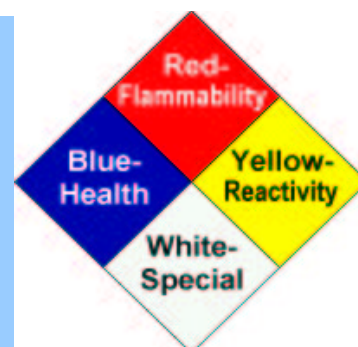
## SISTEMA DA NFPA (Assoc. Nacional de Proteção contra Incêndios dos EUA)

H=RISCOS À SAÚDE

F=RISCOS DE INFLAMABILIDADE

R=RISCOS DE REATIVIDADE

S/N=OBSERVAÇÕES



0=ausência de risco, 4=risco máximo

(A)

Substância	H	F	R	S/N
Acetal	2	3	0	
Acetaldehyde	3	4	2	
Acetanilide	3	1	0	
Acetic Acid (glacial)	3	2	0	
Acetic Anhydride	3	2	1	W
Acetoacetanilide	2	1	0	
Acetoacet-ortho-toluidide	2	1	1	
Acetoacet-para-phenetide	2	1	1	
Acetone	1	3	0	
Acetone cyanohydrin	4	2	2	
Acetonitrile	2	3	0	
Acetonyl acetone	1	1	0	
Acetophenone	1	2	0	
Acetyl Chloride	3	3	2	W
Acetylene	0	4	3	
Acetyl Peroxide.	1	2	4	
Acrolein	4	3	3	
Acrolein Dimer	1	2	1	
Acrylamide	2	2	2	
Acrylic Acid (glacial)	3	2	2	
Acrylonitrile	4	3	2	
Adipic Acid	-	1	0	
Adiponitrile	2	2	1	
Adipoyl chloride	2	2	0	
Adipylidinitrile	4	2	-	

Aldol	3	2	2	
Allyl Acetate	1	3	0	
Allyl Alcohol	4	3	1	
Allylamine	4	3	1	
Allyl Bromide	3	3	1	
Allyl caproate	1	2	0	
Allyl Chloride	3	3	1	
Allyl Chloroformate	3	3	1	
Allyl ether	3	3	2	
Allylidene diacetate	2	2	1	
Allyl trichlorosilane	3	3	2	W
Alpha, beta–dichlorostyrene	2	1	2	
Alpha, beta–glycerin dichlorohydrin	2	1	0	
Alpha–butylene glycol	0	2	–	
Alpha–chloropropionic acid	–	1	0	
Alpha–methylbenzyl dimethyl amine	2	2	0	
Alpha–methylbenzyl ether	2	1	0	
Alpha–methylbenzylamine	2	2	0	
Alpha–methylstyrene	1	2	1	
Alpha–pinene	1	3	0	
Aluminum (dust or powder)	0	1	1	
Aluminum alkyls	3	4	3	W
Aluminum chloride (anhydrous)	3	0	2	W
Aluminum phosphide	4	4	2	W
Aluminum (uncoated)	0	3	1	
2–Amino–1–butanol	2	2	0	
(2–Aminoethyl) ethanolamine	2	1	0	
4–(2–Aminoethyl)–morpholine	2	2	0	
2–Amino–2–methyl–1–propanol	2	2	0	
1–Amino–2–propanol	2	2	0	
3–Aminopropanol	3	2	0	
Ammonia, Anhydrous	3	1	0	
Ammonium Bromide	2	0	0	
Ammonium Chloride	2	0	0	
Ammonium dichromate	2	1	1	OX
Ammonium Fluoride	3	0	0	
Ammonium Nitrate	0	0	3	OX
Ammonium Perchlorate	1	0	4	OX
Ammonium Permanganate	0	0	3	OX
Ammonium Sulfate	3	0	0	
Amyl Acetate	1	3	0	
Amyl Alcohol	1	3	0	
Amylamine	2	3	0	
Amyl bromide	1	3	0	
Amylbenzene	1	2	0	
Amyl butyrate	1	2	0	

Amyl Chloride	1	3	0	
Amyl cyclohexane	1	–	0	
Amyl Ether	1	2	0	
Amyl formate	1	3	0	
Amyl lactate	1	2	0	
Amyl laurate	0	1	0	
Amyl Maleate	0	1	0	
Amyl mercaptan	2	3	–	
Amyl naphthalene	0	1	0	
Amyl nitrate	2	2	0	OX
Amyl nitrite	1	–	2	
Amyl oleate	0	1	0	
Amyl oxalate	0	1	0	
o–Amyl Phenol	2	1	0	
Amyl phenyl ether	0	2	0	
Amyl Propionate	0	2	0	
Amyl salicylate	0	1	0	
Amyl Stearate	0	1	0	
Amyl sulfides (mixed)	2	2	0	
Amyl Toluene.	2	2	0	
Amyl trichlorosilane	3	2	2	W
Amyl xylyl ether	2	1	0	
Aniline	3	2	0	
Aniline Hydrochloride	3	1	–	
2–Anilinoethanol	2	1	0	
o–Anisidine	2	1	0	
Anisole	1	2	0	
Anthracene	0	1	–	
Anthraquinone	0	1	–	
Antimony Pentachloride, liquid	3	0	1	
Antimony Pentafluoride	4	0	1	
Antimony Pentasulfide	3	1	1	
Antimony sulfide	1	1	1	
Arsenic Chloride	3	0	0	
Arsenic pentafluoride	4	0	1	
Arsenic pentoxide	3	0	0	
Arsenic trichloride	3	0	0	
Arsenic trioxide	3	0	0	
Arsenic Trisulfide	3	0	0	
Arsine	4	4	2	
Asphalt (cutback)	0	3	0	
Asphalt (typical)	0	1	0	
Asphalt, liquid–medium curing	0	2	0	
Asphalt, liquid–rapid curing	0	3	0	
Asphalt, liquid–slow curing (grade sc–250)	0	2	0	
Azobisisobutyronitrile	3	–	2	

**(B)**

Substância	H	F	R	S/N
Barium Chlorate	2	0	1	OX
Barium Nitrate	1	0	0	OX
Barium Peroxide	1	0	0	OX
Benzaldehyde	2	2	0	
Benzedrine	0	1	–	
Benzene	2	3	0	
Benzoic Acid	2	1	–	
Benzol (diluent)	2	3	0	
Benzotrichloride	3	1	0	
Benzotrifluoride	3	3	1	
Benzoyl Chloride	3	2	2	W
Benzyl Acetate	1	1	0	
Benzyl Alcohol	2	1	0	
Benzile benzoate	1	1	0	
Benzyl butylphthalate	1	1	0	
Benzyl chloride	3	2	1	
Benzyl Cyanide	2	1	0	
Benzyl mercaptan	2	2	–	
Benzyl Salicylate	1	1	0	
Beryllium (dust or powder)	3	1	0	
Beta–amylene–cis	0	4	–	
Beta–amylene–trans	0	4	–	
2, Beta–butoxyethoxyethyl chloride	2	2	0	
Beta–butoxyethoxyethyl salicylate	2	2	0	
Beta–butylene glycol	1	1	0	
Beta–chlorophenetole	–	1	0	
Beta–methyl mercaptopropionaldehyde	–	2	0	
Beta–naphthol	–	1	0	
Beta–phelandrene	0	2	0	
Beta–propiolactone	0	2	0	
Beta–(p–tert–butyl phenoxy) ethanol	0	1	0	
Beta–(p–tert–butylphenoxy) ethyl acetate	0	1	0	
Bicyclohexyl	1	2	0	
Biphenyl	2	1	0	
2–Biphenylamine	2	1	0	
Bis [2–(2–chloroethoxy)ethyl] ether	2	1	0	
Bis (2–chloroethyl) ether	3	2	1	
Bis (2–chloroethyl) formal	2	1	0	
Bis–diethylene glycol monethyl ether phthalate	1	1	0	
Bis (2,4–dimethylbutyl) maleate	1	1	0	
Bis (2–ethylhexyl) amine	3	1	0	
Bis (2–ethylhexyl)–ethanolamine	1	1	0	
Bis (2–ethylhexyl) maleate	0	1	0	

Bis (2-ethylhexyl) succinate	0	1	0	
Bis (p-tert-butylphenyl) phenyl phosphate	-	1	0	
Bis (2,2,4-trimethyl-pentanediolisobutyrate) diglycolate	0	1	0	
Borneol	2	2	0	
Boron oleate	0	1	1	
Boron phenyl ether	1	2	0	
Boron tribromide	3	0	2	W
Boron Trifluoride	4	0	1	
Boron Trifluoride etherate	3	2	1	W
Bromine	3	0	0	OX
Bromine pentafluoride	4	0	3	W,OX
Bromine Trifluoride	4	0	3	W, OX
Bromobenzene	2	2	0	
4-Bromodiphenyl	2	1	0	
o-Bromotoluene	2	2	0	
1,3-Butadiene	2	4	2	
Butadiene Monoxide	2	3	2	
Butane	1	4	0	
1,3-Butanediamine	3	2	0	
1,2-Butanediol	1	2	0	
1,4-Butanediol	1	1	0	
2,3-Butanediol	1	1	0	
2,3-Butanedione	1	3	0	
1-Butanethiol	2	3	0	
2-Butanethiol	2	3	0	
1-Butene	1	4	0	
2-Butene-cis.	1	4	0	
2-Butene-trans	1	4	0	
Butenediol	1	1	0	
Butyl Acetate	1	3	0	
Butyl Acetoacetate	1	2	0	
Butyl acetyl ricinoleate	2	1	0	
Butyl Acrylate	2	2	2	W
Butyl Alcohol	1	3	0	
Butylamine	3	3	0	
Butylamine Oleate	3	2	0	
Butylbenzene	2	2	0	
Butyl Benzoate	1	1	0	
2-Butylbiphenyl	0	1	-	
Butyl Bromide	2	3	0	
Butyl butyrate	2	2	0	
Butyl Chloride	2	3	0	
Butylcyclohexane	0	-	0	
Butylcyclopentane	0	-	0	
Butyldecalin	1	1	0	
Butylene glycol (pseudo)	0	2	-	

Butyl formate	2	3	0	
Butyl glycolate	0	2	-	
Butyl isovalerate	0	-	-	
2-Butyloctanol	1	1	0	
1,2-Butylene oxide	2	3	2	
2,3-Butylene oxide	2	3	2	
Butyl Formate	2	3	0	
N-Butyl Isocyanate	3	2	2	
Butyl Isovalerate	0	-	-	
Butyl Lactate	1	2	0	
Butyllithium	3	4	2	W
Butyl Methacrylate	2	2	0	
Butyl Naphthalene	1	1	0	
Butyl Nitrate	1	3	3	
Butyl Oxalate	0	1	0	
Butyl phosphate	3	1	-	
Boron phthalyl butyl glycolate	1	1	0	
Butyl Propionate	2	3	0	
Butyl ricinoleate	1	1	0	
Butyl sebacate	1	1	0	
Butyl Stearate	1	1	0	
Butyl Trichlorosilane	2	2	0	
2-Butyne	-	4	-	
Butyraldehyde	3	3	2	
Butyraldol	2	2	0	
Butyraldoxime	2	2	0	
Butyric Acid	3	2	0	
Butyric anhydride	1	2	1	W
Butyrolactone	0	1	0	
Butyronitrile	3	3	0	

(C)

Substância	H	F	R	S/N
Calcium	3	1	2	W
Calcium Carbide	3	3	2	W
Calcium Chlorate	2	0	2	OX
Calcium Cyanide	3	0	1	
Calcium Hypochlorite	3	0	1	OX
Calcium Oxide	3	0	1	
Camphor	0	2	0	
Camphor oil (light)	2	2	0	
Caproic Acid	2	1	0	
Caprylaldehyde	2	2	0	
Caprylyl Chloride	3	2	1	

Carbon Disulfide	3	4	0	
Carbon Monoxide	3	4	0	
Carbon oxysulfide	3	4	1	
Carnauba wax	0	1	0	
Caron Tetrachloride	3	0	0	
Castor Oil	0	1	0	
Cellulose nitrate wet with alcohol	2	3	3	
Chlorine	4	0	0	OX
Chlorine Monoxide	3	4	3	
Chlorine trifluoride	4	0	3	W, OX
Chloroacetic Acid	3	1	0	
Chloroacetonitrile	3	2	0	
Chloroaceto Phenone	2	1	0	
Chloroacetylene chloride	3	0	1	
Chlorobenzene	2	3	0	
Chlorobenzotrifluoride	–	2	0	
2-Chloro-1,3-butadiene	2	3	0	
2-Chlorobutene-2	2	3	0	
Chlorodiethyl silane	3	3	1	
Chlorodinitro benzenes	3	1	4	
2-Chloro-4,6-di-tert-amylphenol	2	1	0	
2-Chloroethanol	4	2	0	
Chloroethyl acetate	2	2	0	
2-Chloroethyl acetate	2	2	0	
Chloro-4-ethylbenzene	1	2	0	
2-Chloroethyl-2-xenyl ether	–	1	0	
Chloroform	2	0	0	
1-Chlorohexane	–	3	0	
1-Chloronaphthalene	1	1	0	
2-Chloro-5-nitrobenzotrifluoride	–	1	3	
1-Chloro-1-nitroethane	–	2	3	
1-Chloro-1-nitropropane	–	2	3	
2-Chloro-2-nitropropane	–	2	3	
2-Chloro-4-phenylphenol	2	1	0	
1-Chloro-2-propanol	2	2	0	
2-Chloro-1-propanol	2	2	0	
1-Chloropropylene	2	4	2	
Chloropicrin	4	0	3	
Chlorosilanes, n.o.s.	3	3	2	W
Chlorosulfonic acid	4	0	2	W, OX
2-Chloro propylene	2	4	0	
Chloro-4-tert-amylphenol	2	1	0	
2-Chloro-4-tert-amylphenyl methyl ether	1	1	0	
Chlorotoluene	2	2	0	
Chromic Acid	3	0	1	OX
Chromic chloride	3	3	0	



Chromyl chloride	3	0	2	W
Citral	0	2	0	
Citronellel	0	2	0	
Citronellol	0	1	0	
Cleaning solvent, stoddard solvent	0	2	0	
Cleaning solvents, 140(60) class	0	2	0	
Coal tar light oil	2	3	0	
Coal tar pitch	0	1	0	
Cobalt Naphtha	1	2	0	
Coconut Oil	0	1	0	
Cod Liver Oil	0	1	0	
Collodion	1	4	0	
Corn Oil	0	1	0	
Cottonseed oil refined	0	1	0	
Creosote Oil	2	2	0	
o-Cresol	3	2	0	
Cresyl diphenyl phosphate	0	1	0	
Crotonaldehyde	4	3	2	
Crotonic Acid	3	2	0	
Crotononitrile	–	1	0	
Crotonyl alcohol	–	3	2	
1-Crotyl bromide	2	3	2	
1-Crotyl chloride	2	3	2	
Cumene	2	3	1	
Cumene hydroperoxide	1	2	4	OX
Cupric Nitrate	1	0	0	OX
Cyanamide	4	1	3	
Cyanoacetic acid	3	1	0	
2-Cyanoethyl acrylate	2	1	1	
Cyanogen	4	4	2	
Cyanogen Bromide	4	0	1	
Cyclamen aldehyde	–	2	0	
Cyclobutane	1	4	0	
1,5,9-Cyclododecatriene	–	2	0	
Cycloheptane	0	3	0	
Cyclohexane	1	3	0	
1,4-Cyclohexane dimethanol	–	1	0	
Cyclohexanethiol	–	2	0	
Cyclohexanol	1	2	0	
Cyclohexanone	1	2	0	
Cyclohexene	1	3	0	
Cyclohexenone	1	3	0	
Cyclohexyl acetate	1	2	0	
Cyclohexylamine	3	3	0	
Cyclohexylbenzene	2	1	0	
Cyclohexyl Chloride	2	3	0	

Cyclohexylcyclohexanol	0	1	0	
Cyclohexyl formate	–	2	0	
Cyclohexyltrichlorosilane	2	2	1	
1,5–Cyclooctadiene	–	3	0	
Cyclopentane	1	3	0	
Cyclopentanol	0	2	0	
Cyclopentanone	2	3	0	
Cyclopentene	1	3	1	
Cyclopentanone	2	3	0	
Cyclopropane	1	4	0	

(D)

Substância	H	F	R	S/N
Decaborane	3	2	1	
Decahydronaphthalene	2	2	0	
Decahydronaphthalene–trans	0	2	0	
Decane	0	2	0	
Decanol	0	2	0	
1–Decene	0	2	0	
Decyl acrylate	2	1	0	
Decylamine	2	1	0	
Decylbenzene	2	1	0	
Decylnaphthalene	1	1	0	
Decyl nitrate	–	1	0	
Dehydroacetic Acid	1	1	0	
Denatured Alcohol	0	3	0	
Deuterium	0	4	0	
Diacetone Alcohol	1	2	0	
Diallyl phthalate	2	1	0	
1,3–Diamino–2–propanol	2	1	0	
Diamylamine	3	2	0	
Diamylbenzene	0	1	0	
Diamylbiphenyl	0	1	0	
Diamylene	0	2	0	
Diamyl maleate	0	1	0	
Diamyl naphthalene	0	1	0	
2,4–Diamylphenol	2	1	0	
Diamyl phthalate	0	1	0	
Diamyl Sulfide	2	2	0	
Dibenzoyl Peroxide	1	4	4	OX
Dibenzyl ether	0	1	0	
Diborane	4	4	3	W
Dibutoxy ethyl phthalate	0	1	0	
Dibutoxymethane	0	2	0	

Dibutoxy tetraglycol	2	1	0	
Dibutylamine	3	2	0	
Dibutylaminoethanol	3	2	0	
Dibutyl Ether	2	3	1	
Dibutyl isophthalate	0	1	0	
Dibutylisopropanolamine	2	1	0	
Dibutyl maleate	1	1	0	
Dibutyl Oxalate	0	1	0	
Dibutyl Phosphite	3	2	0	
Dibutyl Phthalate	0	1	0	
Dibutyl Sebacate	0	1	0	
Dicapryl phthalate	0	1	0	
Dichloroacetyl chloride	3	2	2	W
3,4-Dichloroaniline	3	1	0	
o-Dichlorobenzene	2	2	0	
2,3-Dichlorobutadiene-1,3	3	3	2	
1,2-Dichlorobutane	2	2	0	
2,3-Dichlorobutane	2	2	0	
1,4-Dichlorobutane	3	2	0	
1,3-Dichlorobutene-2	2	3	0	
1,3-Dicholoro-2-butene	3	3	2	
3,4-Dichlorobutene-1	3	2	1	
Dichlorodimethylether, symmetrical	4	3	1	
1,1-Dichloroethene	2	4	2	
1,2-Dicholoroethyl ether	3	2	1	
1,2-Dichloroethylene	2	3	2	
2,2-Dichloroethyl ether	3	2	1	
1,3-Dicholoro-2,4-hexadiene	-	2	0	
Dichloroisopropyl ether	2	2	0	
2,2-Dichloro isopropyl ether	2	2	0	
1,1-Dichloro-1-nitro ethane	2	2	3	
1,1-Dichloro-1-nitro propane	2	2	3	
1,5-Dicholoropentane	2	3	0	
Dichloropentanes	2	2	0	
1,3-Dicholoro-2-propanol	2	2	0	
1,3-Dichloropropene	2	3	0	
2,3-Dichloropropene	3	3	0	
2,4-Dichlorophenol	-	1	0	
Dichlorosilane	3	4	2	W
Dicyclohexylamine	3	1	0	
Dicyclopentadiene	1	3	1	
Didecyl Ether	0	1	0	
Diesel Fuel Oil No. 1	0	2	0	
Diethanolamine	1	1	0	
Diethyl acetoacetate	2	2	0	
Diethylaluminum chloride	3	4	3	W

Diethylaluminum hydride	–	3	3	W
Diethylamine	3	3	0	
2–(Diethylamino) ethanol	2	2	0	
3–(Diethylamino)–prpylamine	2	2	0	
Di–2–ethylbutylphthalate	0	1	0	
Diethyl carbamyl chloride	2	1	2	W
Diethyl carbonate	2	3	1	
Diethylcyclohexane	2	2	0	
1,3–Diethyl–1,3–diphenyl urea	1	1	0	
Diethyl fumarate	1	1	0	
Diethylene glycol	1	1	0	
Diethylene glycol bis (allylcarbonate)	1	1	0	
Diethylene glycol bis(2–butoxyethyl carbonate)	1	1	1	
Diethylene glycol bis (butyl carbonate)	1	1	1	
Diethylene glycol bis (phenylcarbonate)	0	1	1	
Diethylene glycol butyl ether acetate	–	1	0	
Diethylene glycol diacetate	1	1	0	
Diethylene glycol dibenzoate	0	1	0	
Diethylene glycol dibutyl ether	1	1	0	
Diethylene glycol diethyl ether	1	2	0	
Diethylene glycol diethyl levulinate	0	1	0	
Diethylene glycol dimethyl ether	1	2	1	
Diethylene glycol dipropionate	1	1	0	
Diethylene glycol ethyl ether	1	1	0	
Diethylene glycol ethyl ether phthalate	0	1	0	
Diethylene glycol methyl ether	2	2	0	
Diethylene glycol methyl ether acetate	0	2	0	
Diethylene glycol monobutyl ether	1	2	0	
Diethylene glycol monobutyl ether acetate	1	1	0	
Diethylene glycol monoethyl ether	1	1	0	
Diethylene glycol monoethyl ether acetate	1	1	0	
Diethylene glycol monoisobutyl ether	1	1	0	
Diethylene glycol monomethyl ether	1	1	0	
Diethylene glycol monomethyl ether formal	1	1	0	
Diethylene glycol n–butyl ether	1	1	0	
Diethylene glycol phthalate	0	1	0	
Diethylene Triamine	3	1	0	
Di–2–ethylhexyl adipate	0	1	0	
Diethyl Ketone	1	3	0	
Diethyl maleate	1	1	0	
Diethyl malonate	0	1	0	
3,3–Diethylpentane	0	3	0	
Diethyl peroxide	–	4	4	
Diethyl phthalate	0	1	0	
2,2–Diethyl–1,3–propanediol	2	1	0	
Diethyl selenide	2	–	0	

Diethylsulfate	3	1	0	
Diethyl Succinate	1	1	0	
Diethyl Sulfate	3	1	1	
Diethyl tartrate	0	1	0	
Diethyl telluride	1	4	3	W
Diethyl terephthalate	0	1	0	
Diethylzinc	3	4	3	W
Dihexylamine	2	1	0	
Diisobutylaluminum hydride	–	3	3	W
Diisobutylamine	3	3	0	
Diisobutyl Carbinol	1	2	0	
Diisobutylene	1	3	0	
Diisobutyl Ketone	1	2	0	
Diisodecyl adipate	0	1	0	
Diisodecyl phthalate	0	1	0	
Diisooctyl Phthalate	0	1	0	
Diisopropanolamine	2	1	0	
Diisopropylamine	3	3	0	
Diisopropyl Benzene	0	2	0	
Diisopropylmaleate	1	1	0	
Diisopropyl peroxydicarbonate	0	4	4	OX
Diketene	4	2	2	
2,5–Dimethoxyaniline	2	1	0	
2,5–Dimethoxychlorobenzene	2	1	0	
Dimethoxyethyl phthalate	0	1	0	
Dimethoxy tetraglycol	1	1	0	
Dimethylacetamide	2	2	0	
Dimethylamine	3	4	0	
Dimethyl anthranilate	1	2	0	
2–(Dimethylamino) ethyl methacrylate	2	2	0	
3–(Dimethylamino)–propionitrile	–	2	1	
3–(Dimethylamino)–propylamine	3	2	0	
N, N–Dimethylaniline	3	2	0	
Dimethylbenzylcarbiny acetate	1	1	0	
2,2–Dimethylbutane	1	3	0	
2,3–Dimethylbutane	1	3	0	
2,3–Dimethyl–1–butene	0	3	0	
2,3–Dimethyl–2–butene	0	3	0	
1,3–Dimethylbutyl acetate	1	2	0	
1,3–Dimethylbutylamine	2	3	0	
Dimethyl chloracetal	2	2	0	
Dimethylcyanamide	4	2	1	
1,2–Dimethylcyclohexane	0	–	0	
1,3–Dimethylcyclohexane	0	3	0	
1,4–Dimethylcyclohexane	1	3	0	
1,3–Dimethylcyclohexane–cis	0	3	0	

1,3-Dimethylcyclohexane-trans	0	3	0
Dimethyl decalin	0	2	0
Dimethyldichlorosilane	3	3	1
Dimethyldioxane	2	3	0
1,3-Dimethyl-1,3-diphenylcyclobutane	0	1	0
2,4-Dimethyl-3-ethylpentane	0	3	0
N, N-Dimethylformamide	1	2	0
2,5-Dimethylfuran	2	3	0
Dimethyl glycol phthalate	0	1	0
3,3-Dimethylheptane	0	3	0
2,3-Dimethylhexane	0	3	0
2,4-Dimethylhexane	0	3	0
Dimethyl hexynol	0	2	0
1,1-Dimethylhydrazine	4	3	1
Dimethylisophthalate	0	1	0
Dimethyl Maleate	1	1	0
2,6-Dimethylmorpholine	2	2	0
2,3-Dimethyloctane	0	2	0
3,4-Dimethyloctane	0	2	0
Dimethyl-o,o-dichlorovinyl-2,2-phosphate (technical)	3	1	-
2,3-Dimethylpentane	0	3	0
2,4-Dimethylpentane	0	3	0
2,4-Dimethyl-3-pentanol	0	2	0
2,3-Dimethylpentaldehyde	1	3	0
Dimethyl Phthalate	0	1	0
Dimethylpiperazine-cis	2	2	0
2,2-Dimethylpropane	0	4	0
2,5-Dimethylpyrazine	-	2	0
Dimethyl sebacate	0	1	0
Dimethyl Sulfate	4	2	0
Dimethyl Sulfide	1	4	0
Dimethyl Sulfoxide	1	1	0
Dimethyl terephthalate	1	1	0
2,4-Dinitroaniline	3	1	3
Dinitrobenzene (ortho)	3	1	4
1,2-Dinitrobenzene	3	1	4
1,2-Dinitrobenzol	3	1	4
Dinitrochlorobenzene	3	1	4
2,4-Dinitrotoluene	3	1	3
2,5-Dinitrotoluene	3	1	3
2,6-Dinitrotoluene	3	1	3
Diocetyl adipate	0	1	0
Diocetyl azelate	0	1	0
Diocetyl Ether	0	1	0
Diocetyl phthalate	0	1	0
p-Dioxane	2	3	1

Di(oxenyl) phenyl phosphate	0	1	0	
Dioxolane	2	3	2	
Dipentene	0	2	0	
Diphenylamine	3	1	0	
1,1-Diphenylbutane	0	1	0	
Diphenyldichlorosilane	3	1	0	
Diphenyldodecyl phosphite	0	1	0	
1,1-Diphenylethane	0	1	0	
1,2-Diphenylethane	0	1	0	
Diphenylmethane	1	1	0	
Diphenyl (o-xenyl) phosphate	0	1	0	
Diphenyl oxide	1	1	0	
1,1-Diphenylpentane	0	1	0	
Diphenyl Phthalate	0	1	0	
1,1-Diphenylpropane	0	1	0	
Dipropylaluminum hydride	–	3	3	W
Dipropylamine	3	3	0	
Dipropylene glycol	0	1	0	
Dipropylene glycol methyl ether	0	2	0	
Di-sec-butylamine	3	3	0	
Di-tert-amylcyclohexanol	0	1	0	
Di-tert-amylphenoxy ethanol	0	1	0	
2,5-Di-tert-butylhydroquinone	1	1	0	
Di-tert-butyl-p-cresol	0	1	0	
Di-tert-butyl peroxide	3	2	4	OX
Ditridecyl phthalate	0	1	0	
Divinyl acetylene	–	3	3	
Divinylbenzene	1	2	2	
Divinyl Ether	2	4	2	
Dodecane	0	2	0	
1-Dodecanethiol	2	1	0	
1-Dodecanol	0	1	0	
4-Dodecycloxy-2-hydroxy-benzophenone	–	1	0	
Dodecyl benzene (crude)	1	1	0	
Dodecylene	0	1	0	
Dodecyl phenol	0	1	0	
Dyprone	1	1	0	

## (E–G)

Substância	H	F	R	S/N
Eicosane	–	1	0	
Endo-tetrahydrodicyclopentadiene	–	–	0	

Endrin (dry)	2	0	0	
Epichlorohydrin	3	2	2	
Ethane	1	4	0	
Ethandiol diformate	1	2	0	
Ethanolamine	3	2	0	
Ethoxyacetylene	2	3	1	
Ethoxybenzene	0	2	0	
2-Ethoxy-3,4-dihydro-2-pyran	2	2	1	
2-Ethoxyethyl acetate	2	2	0	
3-Ethoxypropanal	2	2	0	
3-Ethoxypropionaldehyde	2	3	0	
3-Ethoxypropionic acid	2	1	0	
Ethoxytriglycol	0	1	0	
Ethyl abietate	0	1	0	
Ethyl Acetate	1	3	0	
Ethyl acetoacetate	2	2	0	
Ethyl acetyl glycolate	0	2	0	
Ethyl Acrylate	2	3	2	
Ethyl Alcohol	0	3	0	
Ethylaluminum dichloride	3	3	3	W
Ethylaluminum sesquichloride	-	3	3	W
Ethylamine	3	4	0	
Ethyl amino ethanol	-	2	0	
Ethylaniline	3	2	0	
Ethylaneline	3	2	0	
Ethylbenzene	2	3	0	
Ethyl Benzoate	1	1	0	
Ethyl benzoylacetate	0	1	0	
Ethylbenzylaniline	2	1	0	
Ethyl borate	2	3	0	
Ethyl Bromide	2	1	0	
Ethyl Bromoacetate	-	2	0	
Ethylbutylamine	3	3	0	
2-Ethyl-1-butene	0	3	0	
3-(2-Ethylbutoxy) propionic acid	2	1	0	
Ethylbutylamine	3	3	0	
Ethyl Butyl Carbonate	2	2	1	
Ethyl Butyl Ether	2	3	0	
2-Ethyl butyl glycol	0	2	0	
Ethyl Butyl Ketone	1	2	0	
2-Ethyl-2-butyl-1,3-propanediol	2	1	0	
Ethyl Butyrate	0	3	0	
2-Ethylbutyl acetate	1	2	0	
2-Ethylbutyl acrylate	2	2	0	
2-Ethylbutyl alcohol	1	2	0	
2-Ethylbutyraldehyde	2	3	1	



2-Ethylbutyric acid	2	1	0
Ethyl Caproate	2	2	0
Ethyl Caprylate.	2	2	0
Ethyl Chloride	1	4	0
Ethyl chloroacetate	–	3	0
Ethyl chloroformate	4	3	1
Ethyl Crotonate	2	3	0
Ethyl cyanoacetate	2	1	0
Ethylcyclobutane	1	3	0
Ethylcyclohexane	1	3	0
Ethylcyclopentane	1	3	0
Ethyl decanoate	0	1	0
Ethyl dichlorosilane	3	3	0
Ethylene	1	4	2
Ethylene carbonate	2	1	1
Ethylene cyanohydrin	1	2	2
Ethylenediamine	3	2	0
Ethylene dibromide	3	0	0
Ethylene Dichloride	2	3	0
Ethyl ether	1	4	1
Ethyl Formate	2	3	0
Ethyl Formate (ortho)	0	3	0
Ethyl fluoride	–	4	0
Ethylene Glycol	1	1	0
Ethylene Glycol Dibutyl Ether	1	2	0
Ethylene glycol diethyl ether	1	3	0
Ethylene glycol dimethyl ether	2	2	0
Ethylene Glycol Ethylbutyl Ether	1	2	0
Ethylene glycol ethylhexyl ether	0	1	0
Ethylene glycol isopropyl ether	1	3	0
Ethylene glycol monoacetate	0	1	0
Ethylene glycol monoacrylate	2	1	1
Ethylene glycol monobenzyl ether	2	1	0
Ethylene Glycol Monobutyl Ether	2	2	0
Ethylene Glycol Monobutyl Ether Acetate	1	2	0
Ethylene Glycol Monoethyl ether	2	2	0
Ethylene Glycol Monoethyl ether acetate	1	2	–
Ethylene Glycol Monoisobutyl ether	2	2	–
Ethylene Glycol Monomethyl ether	2	2	0
Ethylene Glycol Monomethyl ether acetal	1	2	–
Ethylene Glycol Monomethyl ether acetate	1	2	–
Ethylene Glycol Monomethyl ether formal	1	2	–
Ethylene Glycol n-butyl ether	1	2	0
Ethylene Glycol phenyl ether	0	1	0
Ethylenediamine	3	2	0
Ethylene Oxide	3	4	3

Ethylenimine	4	3	3	
2-Ethylhexanal	2	2	1	
2-Ethylhexanol	2	2	0	
2-Ethylhexanoic acid	1	1	0	
2-Ethylhexyl acetate	2	2	0	
2-Ethylhexyl acrylate	2	2	0	
2-Ethylhexylamine	2	2	0	
2-Ethylhexyl chloride	2	2	0	
2-Ethylhexyl ether	1	1	0	
2-Ethyl-1,3-hexanediol	1	1	0	
2-Ethylhexyl acrylate	2	2	2	
1,1-Ethylidene dichloride	2	3	0	
1,2-Ethylidene dichloride	2	3	0	
Ethyl Isobutyrate	0	3	0	
2-Ethylisohexanol	1	2	–	
Ethylene Oxide	3	4	3	
Ethyl lactate	2	2	0	
Ethyl Mercaptan	2	4	0	
Ethylene Oxide	3	4	3	
Ethyl methacrylate	2	3	0	
7-Ethyl-2-methyl-4-hendecanol	0	1	0	
4-Ethylmorpholine	2	3	0	
1-Ethyl-naphthalene	0	1	0	
Ethyl Nitrate	2	3	4	
Ethyl Nitrite	3	4	4	
3-Ethyl-octane	0	2	0	
4-Ethyl-octane	0	2	0	
Ethyl Oxalate	0	2	0	
Ethyl phenylacetate	0	1	–	
Ethyl phenyl ketone	–	1	0	
Ethyl phthalyl ethyl glycolate	0	1	0	
Ethyl propenyl ether	2	3	1	
Ethyl propyl ether	1	3	0	
Ethyl Propionate	–	3	0	
2-Ethyl-3-propylacrolein	2	2	1	
2-Ethyl-3-propylacrylic acid	2	1	1	
Ethyl p-toluene sulfonamide	–	1	0	
Ethyl p-toluene sulfonate	–	1	0	
Ethyl Silicate	2	2	0	
Ethyltrichloro silane	3	3	2	W
Fish oil	0	1	0	
Fluoboric acid	3	0	0	
Fluorine	4	0	3	W, OX
Fluorine, compressed	4	0	4	W
Fluorobenzene	–	3	0	
Formaldehyde	3	4	0	

Formaldehyde 37%, 15% menthanol	3	2	0	
Formaldehyde 37% menthanol-free	3	2	0	
Formaldehyde (water solution)	2	2	0	
Formamide	2	1	0	
Formic Acid	3	2	0	
Fuel oil no. 1	0	2	0	
Fuel oil no. 2	0	2	0	
Fuel oil no. 4	0	2	0	
Fuel oil no. 5	0	2	0	
Fuel oil no. 6	0	2	0	
Furan	1	4	1	
Furfural	3	2	0	
Furfuryl acetate	1	2	1	
Furfuryl Alcohol	1	2	1	
Furfurylamine	–	3	0	
Gallium arsenide	3	1	2	W
Gallium phosphide	3	0	1	W
Gallium Trichloride	3	0	1	
Gas, blast furnace	2	4	0	
Gas, coal gas	2	4	0	
Gas, coke-oven	2	4	0	
Gas, Natural	1	4	0	
Gas oil	0	2	0	
Gas, oil gas	2	4	0	
Gasoline	1	3	0	
Gasoline (100–130 aviation grade)	1	3	0	
Gasoline (115–145 aviation grade)	1	3	0	
Gasoline (casinghead)	1	4	0	
Gasoline 56–100 Octane	1	3	0	
Gas, producer	2	4	0	
Gas, water	2	4	0	
Gas, water (carbureted)	2	4	0	
Geraniol	0	1	0	
Geranyl acetate	0	1	0	
Geranyl butyrate	0	1	0	
Geranyl formate	0	2	0	
Geranyl propionate	0	1	0	
Germane	4	4	3	W
Glucose pentapropionate	1	1	0	
Glycerine	1	1	0	
Glyceryl triacetate	1	1	0	
Glyceryl tributyrate	0	1	0	
Glyceryl tripropionate	0	1	0	
Glycidyl Acrylate	0	2	0	
Glycol benzyl ether	0	1	0	
Glycol diacetate	1	1	0	

## (H-L)

Substância	H	F	R	S/N
Hendecane	0	2	0	
Heptadecanol	0	1	0	
Heptane	1	3	0	
2-Heptanol	0	2	0	
3-Heptanol	0	2	0	
4-Heptanone	2	2	0	
3-Heptene (mixed cis and trans)	0	3	0	
Heptylamine	2	2	0	
Heptylene	0	3	0	
Heptylene-2-trans	0	3	0	
Hexachlorobutadiene	2	1	1	
Hexachloro diphenyl oxide	2	1	1	
Hexadecane	0	1	0	
Hexadecylene-1	0	1	0	
Hexadecyltrichlorosilane	3	1	0	
2,4-Hexadienal	2	2	0	
1,4-Hexadiene	0	3	0	
Hexamethyldisilazane	1	3	1	
Hexanal	2	3	1	
Hexane	1	3	0	
2,5-Hexanediol	2	1	0	
1,2,6-Hexanetriol	1	1	0	
3-Hexanone	1	3	0	
1-Hexene	1	3	0	
2-Hexene (mixed cis-and-trans-isomers)	1	3	0	
2-Hexene-cis	0	3	0	
3-Hexenol-cis	1	2	0	
Hexyl acetate	1	2	0	
Hexyl Alcohol	1	2	0	
Hexylamine	2	3	0	
Hexyl cinnamic aldehyde	-	1	0	
Hexylene glycol	1	1	0	
Hexyl ether	2	2	0	
Hexyl Methacrylate	0	2	0	
Hydrazine (Anhydrous)	3	3	3	
Hydrindane	-	-	0	
Hydriodic acid	3	0	0	
Hydrobromic acid solution	3	0	0	
Hydrocyanic Acid-96%	4	4	2	
Hydrogen	0	4	0	

Hydrogen chloride, anhydrous & refrigerated liquid	3	0	1	
Hydrogen fluoride, anhydrous	4	0	1	
Hydrogen peroxide, aqueous solutions	2	0	1	OX
Hydrogen sulfide	4	4	0	
Hydrogen, refrigerated liquid	3	4	0	
Hydrochloric Acid	3	0	0	
Hydrobromic Acid	3	0	0	
Hydrofluoric Acid	4	0	0	
Hydroquinone	2	1	0	
Hydroquinone di-(beta-hydroxyethyl) ether	-	1	0	
Hydroquinone monomethyl ether	-	1	0	
Hydroxycitronellal	-	1	0	
2-Hydroxyethyl acrylate	2	1	2	
(2-Hydroxyethyl)-ethylenediamine	1	1	0	
4-(2-Hydroxyethyl) morpholine	2	1	0	
1-(2-Hydroxyethyl) piperazine	0	1	0	
Hydroxylamine	2	0	3	
Ionone alpha (Alpha-ionone)	-	1	0	
Ionone beta (Beta-ionone)	-	1	0	
Iron carbonyl	2	3	1	W
Isano oil	-	1	3	
Isoamyl Acetate	1	3	0	
Isoamyl Alcohol	1	2	0	
Isoamyl butyrate	-	2	-	
Isoamyl chloride	-	3	-	
Isobornyl acetate	1	2	0	
Isobutane	1	4	0	
Isobutyl Acetate	1	3	0	
Isobutyl Acrylate	1	3	1	
Isobutyl Alcohol	1	3	0	
Isobutylamine	2	3	0	
Isobutylbenzene	2	2	0	
Isobutyl butyrate	0	2	-	
Isobutyl Chloride	2	3	0	
Isobutylcyclohexane	0	-	0	
Isobutyl formate	-	3	-	
Isobutyl heptyl ketone	2	2	0	
Isobutyl isobutyrate	0	2	0	
Isobutyl Methyl Ketone	2	3	0	
Isobutyl phenylacetate	0	1	0	
Isobutyl phosphate	-	1	-	
Isobutyraldehyde	2	3	1	
Isobutyric Acid	1	2	0	
Isobutyric Anhydride	1	2	1	W
Isobutyronitrile	3	3	0	
Isodecaldehyde	0	2	0	

Isodecane	0	2	0	
Isodecanoic Acid	0	1	0	
Isodecanol, mixed isomers	0	1	0	
Isoevgenol	0	1	0	
Isoheptane	0	3	0	
Isoheptane, mixed isomers	1	3	0	
Isohexane	1	3	0	
Isooctane	0	3	0	
Isooctanoic Acid	0	1	0	
Isooctenes	0	3	0	
Isooctyl Alcohol	0	2	0	
Isooctyl nitrate	–	1	–	
Isopentaldehyde	2	3	0	
Isopentane	1	4	0	
Isopentanoic acid	1	–	0	
Isophorone	2	2	0	
Isophorone diisocyanate	2	1	1	W
Isophthaloyl chloride	–	1	0	
Isoprene	1	4	2	
Isopropenyl acetate	2	3	0	
3–Isopropoxypropionitrile	1	2	1	
Isopropyl Acetate	1	3	0	
Isopropyl acetylene	2	4	2	
Isopropyl alcohol	1	3	0	
Isopropylamine	3	4	0	
Isopropyl benzoate	1	1	–	
Isopropyl bicyclohexyl	0	1	0	
2–Isopropylbiphenyl	0	1	0	
Isopropyl chloride	2	4	0	
Isopropylcyclohexane	1	–	0	
Isopropylcyclohexylamine	3	3	0	
Isopropyl Ether	1	3	1	
Isopropyl Formate	2	3	0	
4–Isopropylheptane	0	2	0	
Isopropyl lactate	2	2	0	
Jet Fuels (Jet A and Jet A–1)	0	2	0	
Jet Fuels (Jet B)	1	3	0	
Jet Fuels (JP–4)	1	3	0	
Jet Fuels (JP–5)	0	2	0	
Lactonitrile	4	2	1	
Lanolin	0	1	0	
Lard oil (commercial or animal)	0	1	0	
Lard oil (pure)	0	1	0	
Lauryl bromide	1	1	0	
Lead Arsenates	2	0	0	
Lead Nitrate	1	0	0	OX

Lead Thiocyanate	1	1	1	
Linalool (ex bios de rose; synthetic)	–	2	0	
Linseed oil, raw	0	1	0	
Lithium	1	1	2	W
Lithium aluminum hydride	3	2	2	W
Lithium Hydride	3	2	2	W
Lithium Metal	3	2	2	W
Lubricating Oil, Mineral	0	1	0	
Lubricating oil, spindle	0	2	0	
Lubricating oil, turbine	0	1	0	
Lynalyl acetate (ex bois de rose; synthetic)	–	2	0	

(M)

Substância	H	F	R	S/N
M–acetoacet xylidide	2	1	0	
M– or p–cresol	3	2	0	
M–chloronitrobenzene	3	1	0	
M–diethyl benzene	2	2	0	
M–ethyltoluene	–	2	0	
M–nitrotoluene	3	1	1	
M–terphenyl	0	1	0	
M–tolydiethylaniline	2	1	0	
M–xylene	2	3	0	
Magnesium (including all alloys)	0	1	1	W
Magnesium Nitrate	1	0	0	OX
Magnesium Perchlorate	1	0	0	OX
Maleic Anhydride	3	1	1	
2–Mercaptoethanol	2	2	–	
Menhaden oil	0	1	0	
Mercuric Cyanide	3	0	0	
Mesityl Oxide	2	3	1	
Metaldehyde	1	3	1	
Methacrylic Acid	3	2	2	
Methacrylonitrile	2	3	2	
Methallyl alcohol	2	3	0	
Methallyl chloride	2	3	1	
Methane	1	4	0	
Methoxy ethyl phthalate	0	1	0	
Methoxy triglycol	0	1	0	
Methoxy triglycol acetate	0	1	0	
2–Methoxybutanol	1	2	0	
2–Methoxybutyl acetate	1	2	0	
2–Methoxybutyraldehyde	0	2	0	
2–Methoxyethyl acrylate	0	2	0	

3-Methoxypropionitrile	4	2	1	
3-Methoxypropylamine	2	3	0	
Methyl abietate	0	1	0	
Methyl acetate	1	3	0	
Methyl acetoacetate	2	2	0	
Methyl acrylate	3	3	2	
Methylal	2	3	2	
Methyl Alcohol	1	3	0	
Methylaluminum sesquibromide	–	3	3	W
Methylaluminum sesquichloride	–	3	3	W
Methyl amyl ketone	1	2	0	
Methyl anthranilite	0	1	0	
Methyl benzoate	0	2	0	
Methyl borate	2	3	1	
Methyl bromide	3	1	0	
3-Methyl-1-butene	2	4	0	
Methyl butyl ketone	2	3	0	
2-Methyl butynol	2	3	0	
Methyl butyrate	2	3	0	
Methyl carbonate	3	3	0	
Methyl cellosolve acetate	0	2	0	
Methyl chloride	1	4	0	
Methyl chloroacetate	1	3	0	
Methyl cyclopentadiene	1	2	1	
Methyl dihydroabietate	1	1	0	
Methyl ether	1	4	1	
2-Methyl-2-ethyl-1,3-dioxolane	2	3	0	
Methyl ethyl ether	1	4	1	
Methyl ethyl ketone	1	3	0	
Methyl formate	2	4	0	
Methyl glycol acetate	1	2	0	
Methylamine	3	4	0	
Methyl Amyl Ketone	1	2	0	
Methyl Benzoate	0	2	0	
2-Methylbiphenyl	2	–	0	
2-Methylbutyraldeyde	2	3	0	
Methyl Borate	2	3	1	
Methyl Bromide	3	1	0	
3-Methyl-2-butanethiol	2	3	0	
2-Methyl-1-butanol	2	2	0	
2-Methyl-2-butanol	1	3	0	
2-Methyl-1-butene	2	4	0	
2-Methyl-2-butene	2	3	0	
Methyl Butyl Ketone	2	3	0	
Methyl Carbonate	3	3	0	
Methyl Cellosolve Acetate	0	2	0	



Methyl Chloride	2	4	0	
Methyl Chloroacetate	2	2	1	
Methyl chloromethyl ether, anhydrous	3	3	2	
Methylcyclohexane	2	3	0	
2-Methylcyclohexanol	–	2	0	
3-Methylcyclohexanol	0	2	0	
4-Methylcyclohexanol	–	2	0	
Methylcyclohexanone	–	2	0	
4-Methylcyclohexane	1	3	0	
Methylcyclohexyl acetate	1	2	0	
Methylcyclopentane	2	3	0	
2-Methyldecane	0	2	0	
Methyldichlorosilane	3	3	2	W
1-Methyl-3,5-diethyl-benzene	0	2	0	
Methylene Chloride	2	1	0	
Methylenedianiline	3	1	0	
Methylene Diisocyanate	1	2	1	W
Methyl Ether	1	4	1	
Methyl Ethyl Ether	1	4	1	
2-Methyl-4-ethylhexane	0	3	0	
3-Methyl-4-ethylhexane	0	3	0	
Methyl Ethyl Ketone	1	3	0	
Methyl ethyl ketoxime	–	2	0	
2-Methyl-3-ethylpentane	0	3	0	
2-Methyl-5-ethyl-piperidine	2	2	0	
2-Methyl-5-ethylpyridine	3	2	0	
Methyl Formate	2	4	0	
2-Methylfuran	2	3	1	
Methyl Glycol Acetate	1	2	0	
Methylheptenone	1	2	0	
Methyl heptadecyl ketone	0	1	0	
Methyl heptine carbonate	–	2	0	
Methyl heptyl ketone	0	2	0	
Methyl hexyl ketone	0	2	0	
2-Methylhexane	0	3	0	
3-Methylhexane	0	3	0	
Methyl Hexyl Ketone	0	2	0	
Methylhydrazine	4	3	2	
Methyl-3-hydroxybutyrate	1	2	0	
Methyl ionone	0	1	0	
Methyl Isoamyl Ketone	1	2	0	
Methyl Isobutyl Carbinol	2	2	0	
Methyl Isobutyl Ketone	2	3	1	
Methyl Isocyanate	4	3	2	W
Methyl iso eugenol	0	1	0	
Methyl isoamyl ketone	1	2	0	

Methyl isobutyl carbinol	2	2	0	
Methyl isobutyl ketone	2	3	1	
Methyl isocyanate	4	3	2	W
Methyl isopropenyl ketone	2	–	0	
Methyl Lactate	1	2	0	
Methyl Mercaptan	4	4	0	
Methyl Methacrylate	2	3	2	
4–Methylmorpholine	2	3	0	
1–Methylnaphthalene	2	2	0	
Methyl nonyl ketone	0	2	0	
Methyl n–propyl ether	0	3	0	
Methyl para cresol	–	2	0	
Methyl Parathion (solid)	4	1	2	
Methyl pentadecyle ketone	0	1	0	
Methylpentaldehyde	2	3	1	
2–Methylpentane	1	3	0	
3–Methylpentane	1	3	0	
2–Methyl–2,4–pentanediol	0	1	0	
2–Methylpentanoic acid	0	1	0	
2–Methyl–1–pentanol	0	2	0	
2–Methyl–1–pentene	1	3	0	
2–Methyl–2–pentene	1	3	0	
3–Methyl–1–pentynol	1	2	0	
2–Methyl–1,3–pentadiene	0	3	0	
2–Methyl–1,3–pentadiene	0	3	0	
4–Methyl–1,3–pentadiene	0	3	1	
4–Methyl–2–pentanol acetate	1	2	0	
2–Methyl–1–Pentene	1	3	0	
4–Methyl–2–Pentene	1	3	0	
4–Methyl–1–Pentene	1	3	0	
Methyl phenylacetate	0	2	0	
Methylphenyl carbinol	0	2	0	
Methyl phenyl carbiny acetate	0	2	0	
Methyl phthalyl ethyl glycolate	2	1	0	
2–Methyl–2–propanethiol	2	3	0	
2–Methylpropenal	3	3	2	
2–Methylpropene	1	4	0	
Methyl propionate	1	3	0	
Methyl propyl acetylene	–	3	–	
Methyl Phenylacetate	0	2	0	
1–Methyl Piperazine	2	2	0	
Methyl Propionate	1	3	0	
Methyl propyl carbinol	0	2	0	
Methyl Propyl Ketone	2	3	0	
2–Methylpyrazine	2	2	0	
Methylpyrrole	2	3	1	

Methylpyrrolidine	2	3	1	
1-Methyl-2-pyrrolidine	2	1	0	
Methyl Salicylate	1	1	0	
Methyl Stearate	0	1	0	
2-Methyltetrahydrofuran	2	3	0	
Methyl Toluene Sulfonate	2	1	0	
Methyltrichlorosilane	3	3	2	W
Methyl undecyl ketone	1	1	0	
2-Methylvalderaldehyde	1	3	0	
Methyl Vinyl Ketone	4	3	2	
Mineral Oil	0	1	0	
Mineral seal oil typical	0	2	0	
Mineral Spirits	0	2	0	
Mono-(trichloro)tetra-(monopotassium dichloro)-penta-s-triazinetriene acid	3	0	2	W, OX
Monochloro-s-triazinetriene acid	3	0	2	W, OX
Morpholine	3	3	0	
Mustard Oil	3	2	0	

## (N-O)

Substância	H	F	R	S/N
N,n-bis-(1,4-dimethylpentyl)p-phenylenediamine	2	1	0	
N,n-bis (1-methylheptyl) ethylenediamine	0	1	0	
N,n-di-sec-butyl-p-phenylenediamine	2	1	0	
N,n-dibutylacetamide	0	1	0	
N,n-dibutylaniline	3	1	0	
N,n-dibutyl stearamide	0	1	0	
N,n-dibutyltoluenesulfonamide	0	1	0	
N,n-diethylacetoacetamide	0	1	0	
N,n-diethylaniline	3	2	0	
N,n-diethyl-1,3-butanediamine	2	2	0	
N,n-diethylethanolamine	3	2	0	
N,n-diethylethylenediamine	3	2	0	
N,n-diethylauramide	-	2	0	
N,n-diethylstearamide	0	1	0	
N,n-diisopropylethanolamine	1	2	0	
N,n-dimethylaniline	3	2	0	
N,n-dimethylformamide	1	2	0	
N,n-dimethylisopropanolamine	2	3	0	
N-(2-cyanoethyl) cyclohexylamine	2	1	0	
N-(2-ethylhexyl)-cyclohexylamine	2	1	0	
N-(2-hydroxyethyl) cyclohexylamine	3	1	0	
N-(2-hydroxyethyl) propylenediamine	2	1	0	
N-(2-phenoxyethyl) aniline	1	1	0	
N-(3-aminopropyl) cyclohexylamine	2	2	0	

N-(3-aminopropyl) morpholine	2	1	0	
N-2-(ethylhexyl) aniline	3	1	0	
N-acetyl ethanolamine	1	1	1	
N-acetyl morpholine	2	1	1	
N-benzyl-diethylamine	2	2	0	
N-butyl acetamide	2	1	0	
N-butyl ethanolamine	1	2	0	
N-butyl isocyanate	3	2	2	
N-butyl monoethanolamine	1	2	0	
N-butylacetanilide	2	1	0	
N-butylaniline	3	1	0	
N-butylcyclohexylamine	2	1	0	
N-butyl-diethanolamine	2	1	0	
N-butylurethane	-	2	0	
N-dibutyl tartrate	0	2	0	
N-ethyl acetanilide	0	2	0	
N-ethylacetamide	1	1	0	
N-ethylcyclohexylamine	3	3	0	
N-ethyldiethanolamine	2	1	0	
N-ethylethanolamine	1	2	0	
N-methylbutylamine	3	3	0	
N-methyldiethanolamine	1	1	0	
N-methylethanolamine	2	2	0	
N-phenyl-n-ethylethanolamine	2	1	0	
N-phenyldiethanolamine	1	1	0	
N-phenylethanolamine	1	1	0	
N-propyl bromide	2	3	0	
N-propyl butyrate	0	3	0	
N-propyl ether	-	3	0	
Naphtha	1	3	0	
Naphtha 49 be-coal tar type	2	2	0	
Naphtha v.m. & p., 50 flash (10)	1	3	0	
Naphtha v.m. & p., High flash	1	3	0	
Naphtha v.m. & p., Regular	1	3	0	
Naphthalene	2	2	0	
Naphthylamine	2	1	0	
Natural gas, liquefied	3	4	0	
Neatsfoot oil	0	1	0	
Neopentyl glycol	1	1	0	
Nickel Carbonyl	4	3	3	
Nickel catalyst, dry	2	4	1	
Nicotine	4	1	0	
Nitric Acid	3	0	0	OX
Nitric oxide	3	0	0	OX
p-Nitroaniline	3	1	3	
Nitrobenzene	3	2	1	

1,3–Nitrobenzotrifluoride	–	1	–	
Nitrobiphenyl	2	1	0	
Nitrochlorobenzene	3	1	1	
Nitrocyclohexane	2	2	3	
Nitroethane	1	3	3	
Nitrogen (liquefied)	3	0	0	
Nitrogen dioxide, liquefied	3	0	0	OX
Nitrogen oxides	3	0	0	OX
Nitrogen pentoxide	3	0	0	OX
Nitrogen Peroxide	3	0	0	OX
Nitrogen, refrigerated liquid	3	0	0	
Nitrogen Trioxide	3	0	0	OX
Nitroglycerine	2	2	4	
Nitromethane	1	3	4	
1–Nitronaphthalene	1	1	0	
1–Nitropropane	1	3	2	
2–Nitro–p–toluidine	2	1	4	
2–Nitropropane	1	3	2	
o–Nitrotoluene	2	1	4	
Nonadecane	0	1	0	
Nonane	0	3	0	
Nonene	0	3	0	
Nonyl acetate	1	2	0	
Nonylbenzene	0	1	0	
Nonylnaphthalene	0	2	0	
Nonylphenol	2	1	0	
2,5–Norborene	–	3	1	
O–acetoacet anisidide	2	1	0	
O–amyl phenol	2	1	0	
O–anisidine	2	1	0	
O–bromotoluene	2	2	0	
O–chlorobenzotrifluoride	2	2	1	
O–chloronitrobenzene	3	1	0	
O–chlorophenol	3	2	0	
O–cresol	3	2	0	
O–cyclohexylphenol	2	1	0	
O–dianisidine	–	1	0	
O–dichlorobenzene	2	2	0	
O–diethyl benzene	2	2	0	
O–dihydroxybenzene	–	1	0	
O–ethyltoluene	–	2	0	
O–methoxybenzaldehyde	2	1	0	
O–nitrotoluene	3	1	1	
O–phenetidine	2	1	0	
O–phenylendiamine	–	1	0	
O–phenylphenol	1	1	0	

O-terphenyl	0	1	0	
O-toluidine	3	2	0	
O-tolyl p-toluene sulfonate	1	1	0	
O-xylene	2	3	0	
O-xylidine	3	1	0	
Octadecane	0	1	0	
Octadecylene alpha	0	1	0	
Octadecyltrichlorosilane	3	2	2	
Octane	0	3	0	
1-Octanethiol	2	2	0	
2-Octanol	1	2	0	
1-Octene	1	3	0	
2-Octene	1	3	0	
Octyl alcohol	1	2	0	
Octylamine	2	2	0	
Octyl chloride	1	2	0	
Octylene glycol	1	1	0	
Oleic Acid	0	1	0	
Oleo oil	0	1	0	
Olive Oil	0	1	0	
Oxalic Acid	3	1	0	
Oxygen (liquid)	3	0	0	OX

### (P-R)

Substância	H	F	R	S/N
P-acetotoluidide	2	1	-	
P-benzoquinone	1	2	1	
P-bromotoluene	2	2	0	
P-chlorobenzaldehyde	2	2	0	
P-cresyl acetate	1	2	0	
P-chlorophenol	3	1	0	
P-cymene	2	2	0	
P-dichlorobenzene	2	2	0	
P-diethyl benzene	2	2	0	
P-dihydroxybenzene	-	1	0	
P-dioxane	2	3	1	
P-ethylphenol	2	1	0	
P-ethyltoluene	-	2	0	
P-methylacetophenone	0	1	0	
P-nitroaniline	3	1	2	
P-nitrochlorobenzene	2	1	3	
P-nitrophenol	3	1	2	
P-nitrotoluene	3	1	1	
P-octylphenyl salicylate	1	1	0	

P-phenetidine	2	1	0	
P-sec-amyphenol	1	1	0	
P-tert-amyline	3	1	0	
Naphtha v.m. & p., Regular	1	3	0	
2-(P-tert-amyphenoxy) ethanol	1	1	0	
2-(P-tert-amyphenoxy) ethyl laurate	0	1	0	
P-tert-amyphenyl butyl ether	0	1	0	
P-tert-amyphenyl methyl ether	0	1	0	
P-tert-butyl-o-cresol	2	1	0	
P-toluenesulfonic acid	3	1	1	
P-toluidine	3	2	0	
P-xylene	2	3	0	
Palm kernel oil	0	1	0	
Palm oil	0	1	0	
Paraffin Oil	0	1	0	
Paraformaldehyde	3	1	0	
Paraldehyde	2	3	1	
Parathion	4	1	2	
Peanut oil	0	1	0	
Pentaborane	4	4	2	
Pent acetate	2	3	0	
Pentachlorophenol (dry)	3	0	0	
1,3-Pentadiene (cis and trans mix)	0	4	2	
1,2,3,4,5-Pentamethyl benzene 95%	-	2	0	
Pentamethylene oxide	2	3	1	
Pentane	1	4	0	
1,5-Pentenediol	1	1	0	
2,4-Pentanedione	2	2	0	
Pentanoic Acid	2	1	0	
3-Pentanol	1	2	0	
Pentaphen	2	1	0	
1-Pentene	1	4	0	
1-Pentyne	-	3	3	
Peracetic acid diluted with 60% of acetic acid	3	2	4	OX
Perchloric Acid	3	0	3	OX
Perchloroethylene	2	0	0	
Perchloroethylene, tetrachloroethylene	2	0	0	
Perhydrophenanthrene	-	-	0	
Perilla oil	0	1	0	
Petroleum, Crude	1	3	0	
Petroleum Ether	1	4	0	
Petroleum sulfonate	0	1	0	
Phenanthrene	-	1	0	
Phenethyl alcohol	1	1	0	
Phenol	4	2	0	
Phenoxy ethyl alcohol	0	1	0	

Phenylacetaldehyde	1	2	0	
Phenyl Acetate	1	2	0	
Phenyl acetate (beta)	0	1	0	
Phenylacetic Acid	1	1	0	
1-Phenyl-2-butene	-	2	0	
Phenyl didecyl phosphite	0	1	0	
Phenyl di-o-xenyl phosphate	0	1	0	
o-Phenylenediamine	-	1	0	
Phenylhydrazine	3	2	0	
Phenylmercuric acetate (dry)	3	1	0	
Phenylmercuric acetate (organic solution)	3	2	0	
Phenylmethyl ethanol amine	2	1	0	
4-Phenylmorpholine	2	1	0	
Phenylpropyl Alcohol	0	1	0	
Phenyl propyl aldehyde	-	1	0	
Phenyl toluene o	-	1	0	
Phenyl trichloro silane	3	2	0	
Phorone	2	2	0	
Phosgene	4	0	1	
Phosphine	4	4	2	
Phosphoric Acid	3	0	0	
Phosphorous oxychloride	4	0	2	W
Phosphorus Pentachloride	3	0	2	W
Phosphorus Pentasulfide	2	1	2	W
Phosphorus, Red	1	1	1	
Phosphorus, White or Yellow	4	4	2	
Phosphorus Tribromide	3	0	2	W
Phosphorus Trichloride	4	0	2	W
Phosphorus, White or Yellow	3	3	1	
Phosphoryl Chloride	3	0	2	W
Phthalic Acid	0	1	1	
Phthalic Anhydride	3	1	0	
4-Picoline	2	2	0	
Pinane	0	1	0	
Pine oil	0	2	0	
Pine pitch	0	1	0	
Pine tar	0	2	0	
Pine tar oil	0	2	0	
Picric Acid	3	4	4	
2-Picoline	2	2	0	
Pine Oil	0	2	0	
Pine Tar	0	2	0	
Piperazine	2	2	0	
Piperidine	3	3	0	
Polyamyl naphthalene mixture of polymers	0	1	0	
Polychlorinated biphenyls	2	1	0	



Polyethylene glycols	0	1	0	
Polyoxyethylene lauryl ether	0	1	0	
Polypropylene glycols	0	1	0	
Polyvinyl alcohol mixture of polymers	0	2	0	
Poppy seed oil	0	1	0	
Potassium	3	1	2	W
Potassium, metal	3	3	2	W
Potassium Bromate	1	0	0	OX
Potassium Chlorate	2	0	0	OX
Potassium Cyanide	3	0	0	
Potassium dichloro-s-triazinetrione	3	0	2	OX
Potassium Hydroxide (lye)	3	0	1	
Potassium Nitrate	1	0	0	OX
Potassium Permanganate	1	0	0	OX
Potassium Peroxide	3	0	1	W
Potassium Persulfate	1	0	0	OX
Potassium Sulfide	2	1	0	
Potassium sulfide, anhydrous	3	1	0	
Potassium xanthanate	2	1	0	
Propanal	2	3	2	
Propane	1	4	0	
1,3-Propanediamine	2	3	0	
Propargyl alcohol	4	3	3	
Propargyl bromide	3	3	4	
P-dioxane	2	3	1	
Propenyl ethyl ether	2	3	0	
Propionic anhydride	3	2	1	
Propionic nitrile	4	3	1	
Propionyl Chloride	3	3	1	
Propyl Acetate	1	3	0	
Propyl Alcohol	1	3	0	
2-Propylbiphenyl	0	1	0	
Propylamine	3	3	0	
Propylbenzene	2	3	0	
Propyl Chloride	2	3	0	
Propyl chlorothiolformate	2	2	0	
Propylcyclohexane	0	-	0	
Propylcyclopentane	0	-	0	
Propylene	1	4	1	
Propylene carbonate	1	1	0	
Propylenediamine	2	3	0	
Propylene Dichloride	2	3	0	
Propylene Glycol	0	1	0	
Propylene Glycol methyl ether	0	3	0	
Propylene Glycol methyl ether acetate	0	2	0	
Propylene Glycol monacrylate	3	1	2	

Propylene Oxide	3	4	2	
n-Propyl Ether	–	3	0	
Propyl formate	2	3	3	
Propyl Nitrate	2	4	3	OX
Propyl propionate	1	3	0	
Propyltrichlorosilane	3	3	1	
Propyne	2	4	2	
Pyridine	3	3	0	
Pyroxylin solution	1	3	0	
Pyrrole	2	2	0	
Pyrrolidine	2	3	1	
2-Pyrrolidone	2	1	0	
Quenching oil	0	1	0	
Quinoline	2	1	0	
Rape seed oil	0	1	0	
Resorcinol	–	1	0	
Rhodinol	0	1	0	
Rosin oil	0	1	0	

(S)

Substância	H	F	R	S/N
Safrole	–	1	0	
Salicylaldehyde	0	2	0	
Salicylic Acid	0	1	0	
Santalol	–	1	0	
Sec-amyl acetate	1	3	0	
Sec-amyl alcohol	1	3	0	
Sec-amylamine	2	3	0	
Sec-butyl acetate	1	3	0	
Sec-butyl alcohol	1	3	0	
Sec-butylamine	3	3	–	
Sec-butylbenzene	2	2	0	
Sec-butyl chloride	2	3	0	
Sec-butylcyclohexane	0	–	0	
Sec-hexyl alcohol	0	2	0	
Sesame oil	0	1	0	
Silane	1	4	3	
Silane, (4-aminobutyl)-diethoxymethyl	3	2	1	
Silicon tetrachloride	3	0	2	W
Silicon tetrafluoride	3	0	2	W
Silver Nitrate	1	0	0	OX
Sodium	3	3	2	W
Sodium Chlorate	1	0	2	OX
Sodium Chlorite	1	0	1	OX

Sodium Cyanide	3	0	0	
Sodium dichloro-s-triazinetrione dihydrate	2	0	1	OX
Sodium dichloro-s-triazinetrione dihydrate, anhydrous	2	0	2	OX
Sodium Fluoride	3	0	0	
Sodium Hydride	3	3	2	W
Sodium Hydroxide (lye)	3	0	1	
Sodium hydrosulfite	2	1	2	
Sodium Nitrate	1	0	0	OX
Sodium Perchlorate	2	0	2	OX
Sodium Peroxide	3	0	1	OX
Sodium-Potassium Alloys	3	3	2	W
Sodium Sulfide	3	1	1	
Soybean oil	0	1	0	
Sperm oil no. 1 & no. 2	0	1	0	
Stannic Chloride	3	0	1	
Stearic Acid	1	1	0	
Stearyl Alcohol	0	-	0	
Stibine	4	4	2	
Stoddard Solvent	0	2	0	
Straw oil	0	1	0	
Styrene	2	3	2	
Styrene oxide	2	2	0	
Succinonitrile	-	1	0	
Sulfur	2	1	0	
Sulfolane	2	1	0	
Sulfur	2	1	0	
Sulfur Chloride	3	1	1	
Sulfur Dioxide	3	0	0	
Sulfuric Acid	3	0	2	W
Sulfuryl chloride	3	0	2	

## (T)

Substância	H	F	R	S/N
Tallow	0	1	0	
Tallow Oil	0	1	0	
Tannic Acid	0	1	0	
Tartaric acid(d,l)	0	1	0	
Terephthalic acid	0	1	0	
Terephthaloyl Chloride	3	1	0	
Terpineol	0	2	0	
Terpinyl acetate	0	2	0	
Tert-amyl chloride	1	3	0	
Tert-butyl alcohol	1	3	0	
Tert-butylamine	2	4	0	

Tert-butylaminoethyl methacrylate	2	1	0	
Tert-butylbenzene	2	2	0	
Tert-butyl carbinol	2	3	0	
4-Tert-butyl-catechol	2	1	0	
Tert-butyl chloride	2	3	—	
4-Tert-butyl-2-chlorophenol	2	1	0	
Tert-butylcyclohexane	0	—	0	
Tert-butyldecalin	1	1	0	
Tert-butyl-diethanolamine	2	1	0	
Tert-butyl hydroperoxide	1	4	4	OX
Tert-butyl-m-cresol	2	2	0	
Tert-butyl peracetate	2	3	4	
Tert-butyl perbenzoate	0	3	4	OX
Tert-butyl peroxy-pivalate	0	3	4	OX
4-Tert-butyl-2-phenylphenol	1	1	0	
Tert-butylstyrene	2	2	2	
Tert-butyl tetralin	2	1	0	
Tert-decylmercaptan	2	2	0	
Tert-dodecyl mercaptan	2	1	0	
Tert-hexadecanethiol	0	1	0	
Tert-iso-hexyl alcohol	—	2	0	
Tert-nonyl mercaptan	2	2	0	
Tert-octylamine	—	3	0	
Tert-octyl-mercaptan	2	2	0	
Tert-tetradecyl mercaptan	2	1	0	
Tetraamylbenzene	0	1	0	
1,1,2,2 Tetrabromoethane	3	0	1	
Tetrachlorobenzene	0	1	0	
1,2,4,5-Tetrachlorobenzene	1	1	0	
Tetrachloroethylene	2	0	0	
Tetradecane	0	1	0	
Tetradecanol	0	1	0	
1-Tetradecene	0	1	0	
Tetraethoxypropane	0	2	0	
Tetraethylene Glycol	1	1	0	
Tetraethylene pentamine	2	1	0	
Tetraethyl Lead, Substâncias	3	2	3	
Tetrafluoroethylene	2	4	3	
1,2,3,6-Tetrahydrobenzaldehyde	2	2	0	
Tetrahydrofuran	2	3	1	
Tetrahydrofurfuryl alcohol	2	2	0	
Tetrahydrofurfuryl oleate	1	1	0	
Tetrahydronaphthalene	1	2	0	
Tetrahydropyran-2-methanol	1	2	0	
1,1,3,3-Tetramethoxypropane	0	2	0	
Tetramethoxysilane	3	3	1	

1,2,3,4–Tetramethylbenzene 95%	0	2	0	
1,2,3,5–Tetramethylbenzene 85.5%	0	2	0	
1,2,4,5–Tetramethylbenzene 95%	0	2	0	
Tetramethyleneglycol	0	1	0	
Tetramethyl Lead, Substâncias	3	3	3	
2,2,3,3–Tetramethyl pentane	0	3	0	
2,2,3,4–Tetramethyl pentane	0	3	0	
Tetramethyl tin	2	–	0	
Tetraphenyl tin	3	1	0	
Tetra (2–ethylbutyl) silicate	1	1	0	
Tetra (2–ethylhexyl) silicate	1	1	0	
Thialdine	2	2	1	
2,2–Thiodethanol	1	1	0	
Thiodiglycol	2	1	0	
Thionyl Chloride	4	0	2	W
Thiophene	2	3	0	
1,4–Thioxane	2	2	0	
Tin tetrachloride, anhydrous	3	0	1	
Titanium Tetrachloride	3	0	2	
Tin tetrachloride, anhydrous	3	0	1	
Toluene	2	3	0	
Toluene–2,4–Diisocyanate	3	1	3	W
Toluhydroquinone	–	1	0	
o–Toluidine	3	2	0	
Transformer oil	0	1	0	
Triamylamine	2	1	0	
Triamylbenzene	0	1	0	
Triamylborate	1	2	0	
Tributylamine	3	2	0	
Tributyl citrate	0	1	0	
Tributyl Phosphate	2	1	0	
Tributylphosphine	0	1	0	
Tributyl Phosphite	2	1	1	
1,2,4–Trichlorobenzene	2	1	0	
1,1,1–Trichloroethane	2	1	0	
1,1,2–Trichloroethane	2	1	0	
Trichloroethylene	2	1	0	
Trichloroethylsilane	3	3	0	
Trichloroisocyanuric acid, dry	2	0	2	OX
1,2,3–Trichloropropane	3	2	0	
Trichlorosilane	3	4	2	W
Tridecanol	0	1	0	
Tridecyl acrylate	1	1	0	
Tridecyl alcohol	0	2	0	
Tridecyl phosphite	0	1	0	
Triethanolamine	2	1	1	

1,1,3-Triethoxyhexane	1	1	0	
Triethylaluminum	3	4	3	W
Triethylamine	3	3	0	
1,2,4-Triethylbenzene	–	2	0	
Triethylborane	1	3	3	W
Triethyl citrate	0	1	0	
Triethylene glycol	0	1	0	
Triethylene glycol diacetate	0	1	0	
Triethylene glycol, dimethyl ether	1	1	0	
Triethyleneglycol monobutyl ether	0	1	0	
Triethylenetetramine	3	1	0	
Triethyl Phosphate	0	1	1	
Trifluorochloroethylene	–	4	0	
Triglycol dichloride	2	1	0	
Trihexyl phosphite	–	1	0	
Triisobutylaluminum	3	4	3	W
Triisobutyl Borate	3	2	1	
Triisopropanolamine	2	1	0	
Trifluorochloroethylene	–	4	0	
Triisopropyl benzene	0	1	0	
Trilauryl trithiophosphite	0	1	0	
Trimethoxysilane	4	3	2	
Trimethylaluminum	–	3	3	W
Trimethylamine	3	4	0	
1,2,3-Trimethylbenzene	0	2	0	
1,2,3-Trimethylbenzene 90.5%	0	2	0	
1,2,4-Trimethylbenzene	0	2	0	
1,3,5-Trimethylbenzene	0	2	0	
2,2,3-Trimethylbutane	0	3	0	
2,3,3-Trimethyl-1-butene	0	3	0	
Trimethylchlorosilane	3	3	2	W
1,3,5-Trimethylcyclohexane	0	–	0	
Trimethylcyclohexanol	2	2	0	
3,3,5-Trimethyl-1-cyclohexanol	2	2	0	
Trimethylene glycol	1	–	0	
2,5,5-Trimethylheptane	0	2	0	
2,2,5-Trimethylhexane	2	3	0	
3,5,5-Trimethylhexanol	2	2	0	
2,4,8-Trimethyl-6-nonanol	0	2	0	
2,6,8-Trimethyl-4-nonanol	2	2	0	
2,6,8-Trimethyl-4-nonanone	2	2	0	
Trimethylolpropane triacrylate	0	1	0	
2,2,3-Trimethylpentane	0	3	0	
2,2,4-Trimethylpentane	–	3	0	
2,3,3-Trimethylpentane	0	3	0	
2,2,4-Trimethyl-1,3-pentanediol	0	1	0	

2,2,4-Trimethylpentanediol diisobutyrate	0	1	0	
2,2,4-Trimethyl-1,3-pentanediol isobutyrate	0	1	0	
2,2,4-Trimethylpentanediol isobutyrate benzoate	0	1	0	
2,3,4-Trimethyl-1-pentene	0	3	0	
2,4,4-Trimethyl-1-pentene	2	3	0	
2,4,4-Trimethyl-2-pentene	2	3	0	
3,4,4-Trimethyl-2-pentene	0	3	0	
Trimethyl phosphite	0	2	0	
Tri-n-butyl borate	3	2	1	
Trinitrobenzene	2	4	4	
Trinitrotoluene (tnt)	2	4	4	
Tri-o-cresyl-phosphate	2	1	0	
Trioctyl phosphite	0	1	0	
Trioxane	2	2	0	
Triphenylmethane	0	1	0	
Triphenyl phosphate	2	1	0	
Triphenyl phosphite	0	1	0	
Triphenylphosphorous	0	1	0	
Tripropyl aluminum	-	3	3	W
Tripropylamine	2	2	0	
Tripropylene	0	3	0	
Tripropylene Glycol	0	1	0	
Tripropylene Glycol methyl ether	0	1	0	
Tung Oil	0	1	0	
Turkey red oil	0	1	0	
Turpentine	1	3	0	

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Substância	H	F	R	S/N
Ultrasene	1	2	0	
2-Undecanol	1	1	0	
Valeraldehyde	1	3	0	
Vanadium Tetrachloride	3	0	2	W
Vinyl Acetate	2	3	2	
Vinyl Acetylene	2	4	3	
Vinyl allyl ether	2	3	2	
Vinylbenzylchloride	2	1	-	
Vinyl Bromide	2	0	1	
Vinyl Butyl Ether	2	3	2	
Vinyl butyrate	2	3	2	
Vinyl Chloride	2	4	2	
Vinyl 2-chloroethyl ether	2	3	2	
Vinyl Crotonate	2	3	2	
4-Vinyl cyclohexene	0	3	2	

Vinyl Ethyl Alcohol	0	2	0	
Vinyl Ethyl Ether	2	4	2	
Vinyl 2-ethylhexoate	2	2	2	
Vinyl 2-ethylhexyl ether	2	2	2	
2-Vinyl-5-ethylpyridine	2	2	2	
Vinyl Fluoride	1	4	2	
Vinylidene Chloride	2	4	2	
Vinylidene Fluoride	1	4	2	
Vinylisobutyl ether	2	3	2	
Vinyl isooctyle ether	1	2	0	
Vinyl isopropyl ether	2	4	2	
Vinyl 2-methoxyethyl ether	0	3	0	
Vinyl Methyl Ether	2	4	2	
Vinyl octadecyl ether	0	1	0	
1-Vinylpyrrolidone	0	1	0	
Vinyl Propionate	2	3	2	
Vinyl Toluene	2	2	2	
Vinyl trichlorosilane	3	3	2	W
Vinylidene chloride	4	4	2	
Wax, microcrystalline	0	1	0	
Wax, ozocerite	0	1	0	
Wax, paraffin	0	1	0	
Whale oil	0	1	0	
Xylenes, mixed	2	3	0	
o-Xylene	2	3	0	
o-Xylidine	3	1	0	
Zinc (powder or dust)	0	1	1	
Zinc Chlorate	2	0	2	OX
Zinc cyanide	3	0	0	
Zinc phosphide	3	3	1	
Zinc, stearate	0	1	0	
Zirconium Tetrachloride	3	0	2	W