

## 분석화학실험실 보유 유해 (화학) 물질 MSDS 보유 목록

작성일자 : 2016/08/31

### A

Acetic acid / Acetylcholine chloride / Acrylamide / aluminum potassium sulfate / Aluminum potassium sulfate dodecahydrate / ammonium acetate / ammonium chloride / Ammonium hydroxide solution / Ammonium iron(II) sulfate hexahydrate / Ammonium iron(III) sulfate dodecahydrate / Ammonium oxalate monohydrate / DL-adrenaline / L-Adrenaline(or (-)-Epinephrine) / (+)-aromadendrene / 4-allyl-1,2-dimethoxybenzene (eugenol methylether) / 4-amino-antipyrine / 4-aminobenzoic acid / acetaldehyde / acetic acid / acetic acid 2-ethylhexyl ester / acetic acid 2-phenylethyl ester / acetic acid benzyl ester(benzyl acetate) / acetic acid n-hexyl ester / acetic anhydride / acetoacetic acid n-butyl ester / Acetone / acetonitrile / acetophenone / Acrylic acid / agmatine sulfate / alcohol / ally methyl sulfide / allyl n-propyl sulfide / Allyl sulfide / ammonia / ammonia water / anisaldehyde(4-methoxy benzaldehyde) / anisole, anhydrous / Arsenic Standard for ICP / Arsenic standard solution / azulene / L-Ascorbic acid / L-Aspartic acid

### B

Barium chloride / Barium Chloride dihydrate / Benzoic acid, 99.5% / (-)- $\alpha$ -bisabolol / 1,3-butanediol / 2,3-benzanthracene / 2-butanol / 2,4-di-tert-butyl phenol / benzaldehyde / benzene / benzoic acid cis-3-hexenyl ester / benzoic acid methyl ester / benzyl acetate / benzyl methyl ester / benzyl alcohol / benzyl bromide / bis(2,4,6-trichlorophenyl) oxalate / bis(2,4-dinitrophenyl) oxalate / borneol / bornyl acetate / bromocresol green / bromothymol blue / buffer solution pH4 / butyl acetate / butyl butyrate / n butyric acid methyl ester / n-butyl alcohol / n-butyraldehyde / n-butyric acid amyl ester (n-amyl n-butyrate) / n-butyric acid ethyl ester / n-butyric acid / (R,R)-(-)-2,3-Butanediol / (S,S)-(+)-2,3-Butanediol / p-bromobenzyl bromide / p-bromophenacyl bromide / Benzyl butyl phthalate / Bis(2-ethylhexyl) phthalate

### C

caffeine anhydrous / calcium carbonate / Calcium chloride anhydrous / calcium hydroxide / calcium hypochloride / Ceftizoxime sodium salt / Charcoal activated / citric acid / CTB / cupric sulfate / N-(Chloromethyl)phthalimide / (-)- $\alpha$ -cubebene / (+)-3-carene / (+)-8(15)-cedren-9-ol / (+)-camphor / (R)-(-)-carvone / (S)-(+)-carvone / 1,3,5,7-cyclooctatetraene / 1,3,5-cycloheptatriene / 2-carene / 2-Cyclohexen-1-one/ citral / citronellol / Citronellyl acetate / Copper standard solution / Copper Standard for ICP / coumarin / crotonaldehyde / curcumin / cyclohexane / cyclohexanol / D,L-camphene / cadaverine / Cadmium standard solution / cadmium chloride / Cadmium Standard for ICP / caffeic acid / caffeine / caryophyllene oxide / Cetylpyridinium bromide / Cetyltrimethylammonium bromide / Chloroform / choline / Chromium Standard for ICP / cinnamaldehyde / cinnamic acid benzyl ester / cinnamic acid cinnamyl ester / cinnamyl acetate / cinnamyl alcohol / n-capric acid methyl ester /

n-caproic acid ethyl ester / n-caprylic acid ethyl ester / o-cymene / p-cymene /  $\alpha$ -caryophyllene /  $\alpha$ -cyclodextrin /  $\beta$ -caryophyllene /  $\beta$ - cyclodextrin /  $\gamma$ -Cyclodextrin

**D**

Dansyl chloride / dextrin / disodium succinate, hexahydrate / Dithizone / 1,3-dithiane / 1,3-dithiolane / 1,4-Diaminobutane (Putrescine) / 1-Decene / 1-Dodecene / 2,5-dimethyl pyrazine / 2,5-dimethyl thiophene / 2,6-dimethoxy toluene / 2,6-di-tert-butyl-p-cresol / 2,7-dichlorofluoresceine / 2,9-dimethyl-1,10-phenanthroline / Dansyl chloride / decanal / Decane / Deuterium oxide / diallyl disulphide / dichloromethane / Diesel / Diethyl succinate / dimethyl disulfide / dimethyl furan (DMF) - Dichloromethylene-dimethyl iminium chloride / dimethylamine / dimethylpolysiloxane / di-n-propyl disulfide / Divinylbenzene / Docosane / Dodecane / Dotriacontane / n-decane / n-dodecane /  $\beta$ -D(+) glucose / Diallyl phthalate / Dibutyl phthalate / Diethyl phthalate / Dimethyl phthalate

**E**

ethylenediamine tetraacetic acid / Ethylenediaminetetraacetic acid disodium salt dihydrate / Ethyl butyrate / Ethyl decanoate / Ethyl heptanoate / Ethyl hexanoate / Ethyl laurate / Ethyl linoleate / Ethyl myristate / Ethyl octanoate / Ethyl oleate / Ethyl palmitate / Ethyl propanoate / Ethyl valerate / 1-Eicosene / 2-ethyl-1-hexanol / 2-ethyl-3-methyl pyrazine / b-estradiol / enanthic acid-ethyl ester / eriochrome black T / Estrone / ethanol / ether anhydrous / ethyl 2-methylbutyrate / ethyl-2-methyl propanoate / ethyl-3-methyl butyrate / ethyl acetate / Ethyl alcohol / ethyl ether / ethyl mercaptan / ethyl vanillin / ethyl vinyl sulfide / ethylbenzene / ethylene chlorohydrin / ethylene sulfide / eugenol acetate / eugenol / n-eicosane / o-ethoxy benzaldehyde / p-ethoxy benzaldehyde / p-ethylbenzaldehyde(4-Ethylbenzaldehyde)

**F**

Fenofibrate(CIP) / Fenson(CPB) / (-)-fenchone / farnesene / farnesol / Fatty acid methyl ester mix / fluorobenzene / formic acid isoamyl ester / furfural / furfuryl alcohol

**G**

D-(+)-Galacturonic acid monohydrate / D-(+)-Glucose / L-Glutamic acid /  $\alpha$ -D glucose

**H**

Histamine dihydrochloride / 1-heptanol / 1-hexadecanol / 1-Hexadecene / 1-hexanol / 2-hexyn-1-ol / 2-hydroxyethyl acrylate / 3-hydroxybutyric acid / 3-Hydroxytyramine hydrochloride / cis-3-hexene-1-ol / HC BTEX-MTBE Mix / heneicosane / Heptane / Hexacosane / Hexadecane / Hexamethylene diisocyanate / Hexamethylenediamine dihydrochloride / hexanal / Hexane / Hexane\_standard / Hexatriacontane / Hexyl ether / histamine / Hydroxy naphthol blue, disodium salt / Hydrochloric acid / hydrogen peroxide / L-Histidine / N-(2-hydroxyethyl)ethylenediamine-N,N',N'-triacetic acid / n-heptadecane / n-heptyl aldehyde / n-hexadecane / n-hexyl acetate /  $\alpha$ -humulene

**I**

Iodine / Iron / Iron (II) Chloride Tetrahydrate / Iron (III) Chloride Hexahydrate / indole / isoamyl acetate / isoamyl alcohol / Isobutanol / isobutyl acetate / iso-butylamine / iso-butyl aldehyde /

iso-thymol(or Carvacrol) / iso-thymol(or iso-thymol) / iso-valeric acid /  $\alpha$ -Ionone /  $\beta$ -Ionone

## J

cis-jasmone

## L

lactose / (-)-limonene / (+)-limonene / (-)-linalool / ( $\pm$ )-linalool / (IR)-(+)-trans-isolimonene / D-LEVULOSE / DL-lactic acid / linalool oxide / lactic acid / lauraldehyde / Lead standard solution / Lead Standard for AAS / Lead Standard for ICP / linalool / linalyl acetate / Linoleic acid, methyl ester / luteolin

## M

Magnesium Sulfate heptahydrate / Magnesium chloride / Magnesium oxide / magnesium sulfate anhydrous / mannitol (D-mannitol) / mercury(II) chloride / (-)-menthol / (+)-isomenthol / (+)-menthofuran / (+)-menthol / 2-mercaptoethanol / Methionol / 2-Methylpyrazine / 2-Methoxy-4-vinylphenol / 2-Methyl-1-butanol / 2-Methyl-1-butyl acetate / 2-Methyl-1-propanol / 3-Methyl butanal / 3-Methyl-1-butanol / 4-methoxycinnamic acid / 4-Methyl-2-pentanone / 5-methyl-2-furfural / 6-methyl-5-heptene-2-one / D,L-menthol / L-Menthyl acetate / Manganese standard solution / menthone / Mercury Standard for ICP / mercury(II) thiocyanate / Methanol / Methoxyamine hydrochloride / Methyl caprate / methyl enanthate / Methyl formate / Methyl myristate / methyl n valerate / methyl n-caproate / methyl n-caprylate / methyl n-octanoate / methyl orange / methyl pelargonate / methyl phenylacetate / Methyl propionate / methyl red / methyl violet 6B / methylene blue / methyltrimethoxysilane / Molecular Sieve / Multielement Standard Solution 4 for ICP /  $\alpha$ -iso-methylionone /  $\beta$ -mycrene(7-methyl-3-methylene-1,6-octate) / Myristic acid, methyl ester

## N

N-(1-Naphthyl)ethylenediamine dihydrochloride / Norfloxacin / p-Nitrobenzoyl chloride(4-Nitrobenzoyl chloride) / (+)-neomenthol / 1-Naphthylamine / Naringin / nerol / Nickel standard solution / Nickel Standard for ICP / Nicotinic acid methyl ester / nitric acid / n-nonane / n-nonylaldehyde / nonadecane / nonanal / Nonane / Nonanoic acid, ethyl ester / Norfloxacin

## O

Oxalic acid / 1-Octadecene / 1-octanol / 1-Octen-3-ol / 3-octanol / 1-Octene / n-octadecane / n-Octanal / n-octane / n-octanoic acid / Octacosane / Octadecane / Octane / Octanoic acid / ofloxacin / Oleic acid, methyl ester

## P

palmitic acid / Palmitic acid, methyl ester / Palmitoleic acid, methyl ester / Poly(acrylamide-co-acrylic acid) / Poly(ethylene glycol) / Polyacrylamide / potassium carbonate anhydrous / Potassium Chloride / Potassium chromate / potassium dichromate / potassium dihydrogen phosphate / Potassium hydrogen phthalate / potassium hydroxide / potassium iodate / potassium iodide / potassium permagnate / Potassium sulfate / (1R)-(+)- $\alpha$ -pinene / (-)- $\alpha$ -pinene / (+)-pulegone / 1-pentadecanol / 1-pentanol / 1-propanol / 2-pentadecanone / 2-phenyl-2-propanol / 2-phenylethyl alcohol / 2-phenyl-ethylamine / 2-propanol / 3-phenylpropionaldehyde (or Hydrocinnamaldehyde) /  $\alpha$ -phellandrene / L-Phenylalanine / L-proline / n-Paraffin Mix C5,C6,C7,C8, (varied conc.), analytical standard /

n-Paraffin Mix C5,C6,C7,C8, (varied conc.), analytical standard / n-Paraffin Mix C10,C12,C14,C16, (varied conc.), analytical standard / n-Paraffin Mix C18,C20,C22,C24, 2 % (w\_w) each component in octane, analytical standard / n-Paraffin Mix C22,C24,C28,C32, 2 % (w\_w) each component in octane, analytical standard / n-Paraffin Mix C24,C28,C32,C36, 2 % (w\_w) each component in octane, analytical standard / n-pentacene / n-pentane / o-phthalaldehyde / pelargonic acid (or nonanoic acid) / penta fluorobenzyl bromide / pentacene /

Pentacosane / Pentane / petroleum ether / phenolphthalein / phenyl ether / Phenyl  $\beta$ -D-glucopyranoside / phenylacetaldehyde / phenylacetonitrile (benzyl cyanide) / phenylacetic acid ethyl ester(Ethyl phenylacetate) / phenylethyl alcohol / phosphoric acid / phthalic acid bis (2-Ethylhexyl ester) / Poly (dimethylsiloxane), hydroxy terminated / Poly (dimethylsiloxane), vinyl terminated / Poly(acrylic acid) solution / polyethylene glycol / Porapak type Q / potassium periodate / progesterone / Propionaldehyde / propylene sulfide / pyridoxal hydrochloride /  $\beta$ -pinene

## R

Reserpine

## S

salicylic acid / salicylic acid sodium salt (Sodium salicylate) / silica gel / silicon dioxide / silver nitrate / silver sulfate / Sodium 1-butanefulfonate / Sodium Acetate Anhydrous / sodium acetate trihydrate / sodium alginate / sodium bicarbonate / Sodium carbonate / Sodium chloride/ Sodium cyanide / sodium hydroxide / sodium oxalate / Sodium sulfite / Sodium sulfate / Sodium thiosulfate / soluble starch / stannous chloride / stearic acid / Stearic acid, methyl ester / Succinic acid / sucrose / sulfanilamide / sulfosalicylic acid / sabinene hydrate / safrole / salicylic acid methyl ester(or Methyl salicylate) / selenium dioxide / sesamol / Silicone oil / Sodium hypochlorite solution / sodium pentacyanonitrosylferrate(III) dihydrate / SOREM / Squalane / succinic acid diethyl ester(or Dimethyl succinate) / Sulfuric acid

## T

L-(+)-Tartaric acid / TREHALOSE / (-)-terpinen-4-ol / (+)- $\delta$ -tocopherol / 1-tetradecanol / 1-Tetradecene / 2,2,4-Trimethylpentane / 2-tridecanone / N,o-bis-TMS-trifluoroacetamide / n-tetradecane / n-tricosane / n-tridecane / p-tolualdehyde / Tenax / terpinolene / terpinyl acetate / testosterone / Tetracontane / Tetracosane / Tetradecane / Tetramethylammonium hydroxide solution / Tetramethylsilane / tetra-n-butyl ammonium (hydrogensulfate) / Tetratetracontane / Tetratriacontane / thujone / thymol / thymol blue / thymoquinone / Toluene / trans,trans-2,4-decadienal / trans-cinnamaldehyde / Triacontane / Tricosane / Trifluoroacetic acid / trifluoroacetic anhydride / trimethylamine / trimethylchlorosilane / tyramine /  $\alpha$ -terpineol /  $\alpha$ -terpinene /  $\gamma$ -terpinene

## U

2-undecanone / n-undecane / uranine

## V

(1S)-cis-Verbenol / (+)-valencene / valeraldehyde / valeric acid / vanilic acid / vanillin / vinyl acetate,polymer

**X**

(m)-xylene / (o)-xylene / (p)-xylene

**Z**

Zinc / Zinc Standard for AAS / Zinc Standard for ICP