

How to Obtain Custom Chemical Standards

Supelco's custom chemical standards chemists can produce organic formulations designed to your exact specifications. This publication shows how our group can help you, and how easy it is to obtain the custom standards you need. Using the table of raw materials and pricing information, you can estimate prices and obtain a quote for your custom-prepared standards with one FAX transmission or phone call.

Key Words:

- standards ● reference materials ● organic raw materials
- solvents ● custom

General Description

Supelco prepares custom standards for environmental, food and beverage, petroleum, chemical, and pharmaceutical applications. Listed in this publication are hundreds of raw materials, nearly a dozen solvents, and several reference materials which we can use to prepare your standards.

The only limitation in combining the raw materials is formulation stability and solubility. Some combinations of raw materials may not prove stable for more than several days or weeks. Similarly, some concentrations may not prove achievable in the solvent selected. Supelco's custom standards chemists will gladly discuss stability and solubility concerns with you. We carefully screen all raw materials[▲], including solvents. Identity and purity are rigorously monitored.

Minimum order volume is 3mL, but this can be packaged in three 1mL ampuls, or a single ampul, depending on your needs. Typical packaging is in a 1mL, 2mL, 5mL, or 10mL flame-sealed amber ampul. Other forms of packaging are available — just ask. Appropriate labeling and material safety data sheets (MSDS) are provided with every custom standard purchased.

Custom Ampulization for Liquid Chemicals

We can package liquid chemicals you purchase into convenient custom-sized ampuls or vials. We can also repackage or reformulate chemicals manufactured by your company into smaller quantities using a variety of packaging formats. This service eliminates your need to repackage large-quantity chemicals into smaller ampuls or containers.

Convenient repackaging options are available for quality control samples, industrial "free" samples, samples for repository purposes, and manufacturing process ingredients. Multiple packaging formats can be requested, ranging from 1mL to 20mL. Precise dispensing capabilities extend to as low as 100µL.

Quality Control

We offer three forms of quality control for custom-prepared standards:

- Gravimetric assurance (routine/free-of-charge) — The components in your standard are guaranteed to be within $\pm 0.5\%$ of the amounts you specify. A Certificate of Composition is included with every mix.
- Qualitative testing (optional/cost)[■] — Supelco defines the testing method and analytical system, unless you prefer to do so. Typically the method will be a verification of the GC or LC elution and of the number of components. We will provide a copy of the chromatogram. The charge for this testing is found on page 12.
- Quantitative testing (optional/cost)[■] — Supelco defines the testing method and analytical system, unless you prefer to do so. Typically the standard will be compared to a separately prepared reference batch of the same formulation, using the internal standard method (GC), or the external standard method (LC). We will provide a copy of the chromatogram and a Quantitative Certificate of Analysis. The charge for this testing is found on page 12.

Separate Source

Some materials listed in this publication are available as Separate Source[™] (2S). These materials are uniquely sourced by either independent synthesis or vendor. Separate Source neat materials may be used in the manufacture of independent reference standards of identical specification.

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[▲] Some special request raw materials may not undergo analytical screening if your need is immediate. In those situations, vendor parties will be used only with your approval. Please discuss special requirements for raw materials with a custom standards chemist when obtaining a quote.

[■] Qualitative testing and/or quantitative testing will add about one week to the delivery time for the product.

To Obtain a Quote

Phone: 814-359-5419 or 814-359-5752

FAX: 814-359-5750

- For quotes, using the form on page 13
- If the formulation you need contains more than 15 components
- If you need components not listed in this publication
- If you need concentrations higher than those listed here
- For volumes greater than 500mL
- For special quality control testing, other than the tests described here
- If you want packaging other than flame-sealed ampuls (a wide variety of alternatives are available)
- For manufacturing status and delivery estimates

We will need your FAX or phone number.

To Place an Order

Phone: 800-247-6628 or 814-359-3441

FAX: 800-447-3044 or 814-359-3044

Documentation

A Material Safety Data Sheet (MSDS) and a Certificate of Composition are included with every custom standard. We will also provide a Certificate of Analysis if testing is requested.

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CUSTOMER P.O. NO. _____

DATE 2/02/95 MATERIAL SAFETY DATA SHEET PAGE 1

SECTION I - GENERAL INFORMATION
CATALOG NO. N0017420
PRODUCT NAME CUSTOM MIX
DATA SHEET NO. N0017420
FORMULA MIXTURE CUSTOM MIX
CAS NRTXCS FORMULA WEIGHT
SYNONYM ANALYTICAL STANDARD IN METHANOL
MANUFACTURER SUPELCO INC. PHONE 814-359-3441
ADDRESS SUPELCO PARK, BELLEFONTE, PA 16823-0048

SECTION II - HAZARDOUS INGREDIENTS OR MIXTURES
CHEMICAL NAME COMMON NAME - PERCENTAGE - CAS #
(FORMULA) - PPM (UNITS) - TLV (UNITS)
LEAD VALUE - CONDITIONS

METHACRYLIC ACID, METHYL ESTER	0.2		80-62-6
METHACRYLAMIDE			PPM
CSH02	100	PIH 100	
7872	MG/KG ORAL RAT	SEE FOOTNOTE(4,6)	
2-METHYL-2-PROPENOIC ACID ETHYL ESTER			97-63-2
ETHYL METHACRYLATE	N/A	0.2	N/A
061002	14,800	MG/KG ORAL RAT	
METHANOL		96-100	67-56-1
CH05	5628	MG/KG ORAL RAT	MS/MS

SECTION III - PHYSICAL DATA
BOILING POINT 65 °C
VAPOR PRESSURE 100 MM HG
SPECIFIC GRAVITY 790 G/ML
WATER SOLUBILITY 100
APPEARANCE CLEAR COLORLESS LIQUID

SECTION IV - FIRE AND EXPLOSION HAZARD DATA
FLASH POINT 50 °C
EXTINGUISHING MEDIA
SPECIAL FIRE FIGHTING PROCEDURES
WEAR SELF CONTAINED BREATHING APPARATUS WHEN FIGHTING A CHEMICAL FIRE.

MSDS

Certificate of Composition

DESCRIPTION GAMMA-DEN PROGRAM/MLD COLUMN FLST MIX
CATALOG NO 4-7272 MFG DATE MAR-96
LOT NO L457140 EXPIR DATE JUN-97
SOLVENT METHYLENE CHLORIDE

ANALYTE	PERCENT PURITY(1)	CONCENTRATION (2)
2,6-PYRIDINE DICARBOXYLIC ACID	99.0	2000
TETRAOXYMETHYLENE DIPHENYLAMINE	99.0	2000
1,4-DI(2,6-DIMETHYLPYRIDINIUM)ETHANOL	99.0	2000
ALPHA-IRIX (LISANDR)	99.0	2000

(1) Determined by GC/FID unless otherwise noted.
(2) Quantity of analyte weighed into solution (mg/mL, w/v %). Weights of analytes less than 100% pure are reported for comparison. Certified weights are not applicable to samples stored under nitrogen.

Karl-Friedrich Heinecke
Karl-Friedrich Heinecke
Quality Control Supervisor

SUPELCO
Supelco Park • Bellefonte, PA 16823-0048
Tel: 814-359-3441 • Fax: 814-359-3044

796-0300

Certificate of Composition

Certificate of Analysis

PREPARED BY: N0017420 MIX #
CATALOG NO.: 4-7272 MFG DATE: MAR-96
LOT NO.: L457140 EXPIR DATE: JUN-97
SOLVENT: METHYLENE CHLORIDE

ANALYTE	PERCENT PURITY(1)	CONCENTRATION(2)	TEST METHOD	TEST DATE	LABORATORY
2,6-PYRIDINE DICARBOXYLIC ACID	99.0	2000	GC/FID	03/02/96	LABORATORY
TETRAOXYMETHYLENE DIPHENYLAMINE	99.0	2000	GC/FID	03/02/96	LABORATORY
1,4-DI(2,6-DIMETHYLPYRIDINIUM)ETHANOL	99.0	2000	GC/FID	03/02/96	LABORATORY
ALPHA-IRIX (LISANDR)	99.0	2000	GC/FID	03/02/96	LABORATORY

(1) Determined by GC/FID unless otherwise noted.
(2) Quantity of analyte weighed into solution (mg/mL, w/v %). Weights of analytes less than 100% pure are reported for comparison. Certified weights are not applicable to samples stored under nitrogen.

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SUPELCO
Supelco Park • Bellefonte, PA 16823-0048
Tel: 814-359-3441 • Fax: 814-359-3044

796-0301

Certificate of Analysis (optional)

Item Description	CAS No.	2S [▲]	Item Description	CAS No.	2S [▲]	Item Description	CAS No.	2S [▲]
cis-2-Butene	590-18-1		Chlorobenzene-d ₅ *	3114-55-4		Cyanazin*	21725-46-2	
trans-2-Butene	624-64-6		Chlorobenzilate	510-15-6		Cyanocobalmin (B12)	68-19-9	
2-Butyloxyethyl acetate	112-07-2		4-Chlorobenzotrifluoride	98-56-6		Cyclamate, calcium	139-06-0	
n-Butyl acetate	123-86-4		2-Chlorobiphenyl*	2051-60-7		Cyclamate, sodium	139-05-9	
tert-Butylazine	5915-41-3		3-Chlorobiphenyl*	2051-61-8		Cycloheptane	291-64-5	
4-tert-Butylbenzaldehyde	939-97-9		4-Chlorobiphenyl*	2051-62-9		Cyclohexane	110-82-7	
n-Butylbenzene	104-51-8	Yes	2-Chloro-1,3-butadiene	126-99-8		Cyclohexanecarboxylic acid	98-89-5	
sec-Butylbenzene	135-98-8	Yes	6-Chloro-o-cresol	87-64-9		1,4-Cyclohexanedicarboxylic acid	1076-97-7	
tert-Butylbenzene	98-06-6	Yes	Chlorodibromoacetic acid	5278-95-5		Cyclohexanol	108-93-0	
n-Butyl benzoate	136-60-7		4-Chloro-3,5-dimethylphenol	88-04-0		Cyclohexanone	108-94-1	
4-tert-Butyl benzyl alcohol	877-65-6		Chloroethane	75-00-3	Yes	Cyclohexene	110-83-8	
Butyl benzyl phthalate	85-68-7	Yes	2-Chloroethyl vinyl ether	110-75-8	Yes	Cyclohexylamine	108-91-8	
Butyl Cellosolve®	111-76-2		3-Chloro-4-fluoroaniline	367-21-5		Cyclopentane	287-92-3	
Butyl cyclohexane	1678-93-9		1-Chloro-2-fluorobenzene	348-51-6		Cyclopentene	142-29-0	
tert-Butyl disulfide	110-06-5		1-Chloro-4-fluorobenzene	352-33-0		Cyheptamide*	10423-37-7	
tert-Butyl ethyl ether	637-92-3		Chloroform	—		Cyromazine	66215-27-8	
tert-Butylhydroquinone (TBHQ)	1948-33-0		1-Chlorohexane	544-10-5		Cytidine	65-46-3	
2-tert-Butyl-4-hydroxyanisole (BHA)	25013-16-5		Chloromethane	74-87-3	Yes	L-Cysteine HCl hydrate	52-90-4	
3-tert-Butyl-4-hydroxyanisole (BHA)	25013-16-5		3-Chloro-4-methylaniline	95-74-9		L-Cystine	56-89-3	
tert-Butyl mercaptan	75-66-1		Chloromethyl methyl ether	107-30-2		Cytosine	71-30-7	
Butyl methacrylate	97-88-1		4-Chloro-3-methylphenol	59-50-7	Yes			
1-tert-Butyl-4-methylbenzene	—		2-Chloro-5-methylphenol	615-74-7		D		
4-tert-Butylphenol	98-54-4		4-Chloro-2-methylphenol	1570-64-5		2,4-D acid*	94-75-7	
4-tert-Butyltoluene	98-51-1		1-Chloro-2-methylpropane	513-36-0		2,4-D methyl ester	1928-38-7	
Butyraldehyde-2,4-DNPH	1527-98-6		1-Chloronaphthalene	90-13-1		Dacthal® (Chlorthal)*	1861-32-1	
Butyric acid ethyl ester	105-54-4		2-Chloronaphthalene	91-58-7	Yes	Dalapon*	75-99-0	
			Chloroneb*	2675-77-6		Dalapon methyl ester	—	
			4-Chloro-2-nitroaniline	89-63-4		Dasanit®*	115-90-2	
			1-Chloro-3-nitrobenzene	121-73-3		2,4-DB	94-82-6	
			1-Chloro-4-nitrobenzene	100-00-5		2,4-DB methyl ester	—	
			2-Chloronitrobenzene	88-73-3		2,4-DDD*	53-19-0	
			4-Chloro-3-nitrobenzotrifluoride	121-17-5		4,4'-DDD*	72-54-8	Yes
			1-Chlorooctadecane	3386-33-2		2,4-DDE*	3424-82-6	
			1-Chlorooctane	111-85-3		4,4'-DDE*	72-55-9	Yes
			2-Chlorophenol	95-57-8	Yes	2,4-DDT*	789-02-6	
			2-Chlorophenol-d ₄ *	95-57-8		4,4'-DDT*	50-29-3	Yes
			3-Chlorophenol	108-43-0		Decachlorobiphenyl	2051-24-3	
			4-Chlorophenol	106-48-9		Decafluorobiphenyl	434-90-2	
			4-Chlorophenyl phenyl ether	7005-72-3		Decafluorotriphenylphosphine*	5074-71-5	
			1-(o-Chlorophenyl)-2-thiourea	5344-82-1		n-Decane	124-18-5	
			3-Chloropropionitrile	542-76-7		Decanoic acid	334-48-5	
			Chloropropylate*	5836-10-2		2-Decanone	693-54-9	
			Chloropicrin*	76-06-2		1-Decene	872-05-9	
			Chloroethalonil*	1897-45-6		Decyl aldehyde	112-31-2	
			2-Chlorotoluene	95-49-8	Yes	Decylamine	2016-57-1	
			3-Chlorotoluene	108-41-8		Deet*	134-62-3	
			4-Chlorotoluene	106-43-4		DEF®*	78-48-8	
			Chlorpropham*	101-21-3		Demeton*	8065-48-3	
			Chlorpyrifos-methyl	5598-13-0		Demeton/S	126-75-0	
			5-□-Cholestane	481-21-0		Deoxynivalenol	51481-10-8	
			5-□-Cholestan-3-oL	516-92-7	481-21-0	Desethylatrazine	6190-65-4	
			Cholestanol	80-97-7		Desmosterol	313-04-2	
			Cholesterol	57-88-5		DFTPP	5074-71-5	
			Chrysene*	218-01-9	Yes	Dibenz(a,h)acridine	226-36-8	
			Chrysene-d ₁₂ *	1719-03-5		Diacetone alcohol	123-42-2	
			L-Cinchonidine	485-71-2		Diallate*	2303-16-4	
			Citric acid	77-92-9		2,3-Diaminotoluene	2687-25-4	
			Co-Ral®*	56-72-4		2,4-Diaminotoluene	95-80-7	
			Coronene	191-07-1		2,6-Diaminotoluene	823-40-5	
			Cottonseed oil	8001-29-4		Diazinon®*	333-41-5	
			Crotonaldehyde*	123-73-9		Dibenz(a,i)acridine*	224-42-0	
						Dibenzo(a,h)anthracene*	53-70-3	Yes
						Dibenzofuran*	132-64-9	Yes

*Compound maximum concentration 1000µg/mL. If you require higher concentration in your custom mix, please contact Supelco's Custom Standards Department directly for a quote. Do not use the pricing schedule on page 13.

▲Separate Source (see page 1).

Item Description	CAS No.	2S [▲]	Item Description	CAS No.	2S [▲]	Item Description	CAS No.	2S [▲]
2,3-Dibenzofuran	271-89-6		1,4-Dichloronaphthalene	1825-31-6		p-Dimethylaminoazobenzene	60-11-7	
Dibenzo(a,e)pyrene	192-65-4		2,3-Dichlorophenol	576-24-9		N,N-Dimethylaniline	121-69-7	
Dibenzo(a,i)pyrene	189-55-9		2,6-Dichlorophenol	87-65-0		2,3-Dimethylaniline	87-59-2	
Dibenzothiophene	132-65-0		3,4-Dichlorophenol	95-77-2		2,4-Dimethylaniline	95-68-1	
Dibenzyl phthalate	523-31-9		2,4-Dichlorophenol	120-83-2	Yes	2,5-Dimethylaniline	95-78-3	
Dibromoacetonitrile	3252-43-5		2,5-Dichlorophenol	583-78-8		2,6-Dimethylaniline	87-62-7	
4,4'-Dibromobiphenyl	92-86-4		3,5-Dichlorophenol	591-35-5		3,4-Dimethylaniline	95-64-7	
Dibromochloromethane	124-48-1	Yes	2,4-Dichlorophenylacetic acid	19719-28-9		3,5-Dimethylaniline	108-69-0	
1,2-Dibromo-3-chloropropane	96-12-8	Yes	2,4-Dichlorophenylacetic acid methyl ester	—		2,4-Dimethylbenzaldehyde	—	
1,2-Dibromoethane	106-93-4	Yes	Dichloroprop* [†]	120-36-5		2,4-Dimethylbenzaldehyde-2,4-DNPH	—	
Dibromofluoromethane	1868-53-7		Dichloroprop methyl ester*	57153-17-0		2,5-Dimethylbenzaldehyde	5779-94-2	
Dibromomethane	74-95-3	Yes	1,1 Dichloropropane	78-99-9		2,5-Dimethylbenzaldehyde-2,4-DNPH	152477-96-8	
4,4'-Dibromooctafluoro-biphenyl	10386-84-2		1,2-Dichloropropane	78-87-5	Yes	7,12-Dimethylbenz(a)anthracene*	57-97-6	
2,4-Dibromophenol	615-58-7		1,3-Dichloropropane	142-28-9	Yes	3,3-Dimethylbenzidine	119-93-7	
2,6-Dibromophenol	608-33-3		2,2-Dichloropropane	594-20-7	Yes	3,3-Dimethylbenzidine di-hydrochloride	612-82-8	
1,2-Dibromopropane	78-75-1		2,3-Dichloropropanol	616-23-9		2,2-Dimethylbutane	75-83-2	
2,3-Dibromopropanol	96-13-9		1,3-Dichloro-2-propanol	96-23-1		2,3-Dimethylbutane	79-29-8	
2,3-Dibromopropionic acid	600-05-5		Dichloropropanone	534-07-6		1,1-Dimethylcyclohexane	590-66-9	
2,5-Dibromotoluene	615-59-8		1,1-Dichloropropene	563-58-6		cis-1,2-Dimethylcyclohexane	2207-01-4	
□,□-Dibromo-m-xylene	626-15-3		cis-1,3-Dichloropropene	10061-01-5		trans-1,2-Dimethylcyclohexane	6876-23-9	
Dibutyl chlorendate*	1770-80-5		trans-1,3-Dichloropropene mixed isomers	542-75-6	Yes	cis-1,3-Dimethylcyclohexane	638-04-0	
Dibutyl ether	142-96-1		2,3-Dichloropropene	78-88-6		trans-1,3-Dimethylcyclohexane	2207-03-6	
2,6-Di-tert-butyl-4-hydroxy-methylphenol (Ionex 100)	88-26-6		2,3-Dichloropropionic acid	565-64-0		cis-1,4-Dimethylcyclohexane	624-29-3	
3,5-Di-tert-butyl-4-hydroxytoluene (BHT)	128-37-0		1,1-Dichloropropylene	563-58-6		trans-1,4-Dimethylcyclohexane	2207-04-7	
Di-n-butyl phthalate	84-74-2		2,4-Dichlorotoluene	95-73-8		1,1-Dimethylcyclopentane	1638-26-2	
Dicamba*	1918-00-9		Dichlorvos*	62-73-7		cis-1,2-Dimethylcyclopentane	1192-18-3	
Dichlone*	117-80-6		Dicrotophos	3735-78-3		trans-1,2-Dimethylcyclopentane	822-50-4	
1,1-Dichloroacetone	513-88-2		Dicyclohexylamine	101-83-7		cis-1,3-Dimethylcyclopentane	2532-58-3	
Dichloroacetonitrile	3018-12-0		Dicyclohexyl phthalate	84-61-7		trans-1,3-Dimethylcyclopentane	1759-58-6	
3,4-Dichloroaniline	95-76-1		Dicyclopentadiene	77-73-6		Dimethyl disulfide	624-92-0	
1,2-Dichlorobenzene	95-50-1	Yes	Dieldrin*	60-57-1	Yes	N,N-Dimethylethanolamine	108-01-0	
1,2-Dichlorobenzene-d ₄ *	2199-69-1		1,2,3,4-Diepoxybutane	298-18-0		2,4-Dimethyl-3-ethylpentane	1068-87-7	
1,3-Dichlorobenzene	541-73-1	Yes	Diethanolamine	111-42-2		2,5-Dimethylfuran	625-86-5	
1,4-Dichlorobenzene	106-46-7	Yes	Diethoxymethane	462-95-3		2,2-Dimethylheptane	1071-26-7	
1,4-Dichlorobenzene-d ₄ *	3855-82-1		Diethylaminoethanol	100-37-8		2,3-Dimethylheptane	3074-71-3	
3,3-Dichlorobenzidine	91-94-1	Yes	2,6-Diethylaniline	579-66-8		2,4-Dimethylheptane	2213-23-2	
3,3'-Dichlorobenzidine (as dihydrochloride)	612-83-9		1,2-Diethylbenzene	135-01-3		2,5-Dimethylheptane	2216-30-0	
3,5-Dichlorobenzoic acid	51-36-5		1,3-Diethylbenzene	141-93-5		2,6-Dimethylheptane	1072-05-5	
3,5-Dichlorobenzoic acid methyl ester	—		1,4-Diethylbenzene	105-05-5		3,3-Dimethylheptane	4032-86-4	
2,3-Dichlorobiphenyl	16605-91-7		Diethylchlorothiophosphate	2524-04-1		3,4-Dimethylheptane	922-28-1	
2,4-Dichlorobiphenyl	34883-43-7		Diethylene glycol	111-46-6		3,5-Dimethylheptane	926-82-9	
2,6-Dichlorobiphenyl	33146-45-1		Diethylene glycol monobutyl ether	112-34-5		4,4-Dimethylheptane	1068-19-5	
3,3'-Dichlorobiphenyl	2050-67-1		3,4-Diethylhexane	19398-77-7		2,2-Dimethylhexane	590-73-8	
4,4'-Dichlorobiphenyl	2050-68-2		3,3-Diethylpentane	1067-20-5		2,3-Dimethylhexane	584-94-1	
1,3-Dichlorobutane	1190-22-3		Diethyl phthalate	84-66-2	Yes	2,4-Dimethylhexane	589-43-5	
1,4-Dichlorobutane	83547-96-0		Diethylstilbestrol	56-53-1		2,5-Dimethylhexane	592-13-2	
1,4-Dichlorobutane-d ₈ *	83547-96-0		1,4-Difluorobenzene	540-36-3		3,3-Dimethylhexane	563-16-6	
cis-1,4-Dichloro-2-butene	1476-11-5		2,2-Difluorobiphenyl	388-82-9		3,4-Dimethylhexane	583-48-2	
trans-1,4-Dichloro-2-butene	110-57-6		1,1-Difluoroethane	75-37-6		□,□-Dimethyl-succinimide	61748-86-5	
1,2-Dichloro-1,1-difluoroethane	1649-08-7		1,1-Difluoroethylene	75-38-7		Dimethylnaphthalene	28804-88-8	
1,1-Dichloroethane	75-34-3		Di-n-hexyl adipate	—		1,6-Dimethylnaphthalene	575-43-9	
1,2-Dichloroethane	107-06-2		1,6-Diisocyanatoethane	929-57-7		2,6-Dimethylnaphthalene	581-42-0	
1,2-Dichloroethane-d ₄ *	17060-07-0		Diisopropylethylamine	7087-68-5		4,4-Dimethyl-2-neopentyl-		
1,1-Dichloroethylene	75-35-4		Diisopyramide phosphate*	22059-60-5				
cis-1,2-Dichloroethylene	156-59-2	Yes	Dimethoate*	60-51-5				
trans-1,2-Dichloroethylene	156-60-5	Yes	3,3-Dimethoxybenzidine	119-90-4				
1,1-Dichloro-1-fluoroethane	1717-00-6		1,2-Dimethoxyethane (Ethylene glycol dimethyl ether)	110-71-4				
Dichlorodifluoromethane	75-71-8	Yes	Dimethyl acetamide	127-19-5				
4,6-Dichloro-2-methylphenol	1570-65-6		N,N-Dimethylacetamide	127-19-5				

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Item Description	CAS No.	2S [▲]	Item Description	CAS No.	2S [▲]	Item Description	CAS No.	2S [▲]
1-pentene	7756-94-7		E			4-Ethylphenol	123-07-9	
1,3-Dimethyl-2-nitrobenzene	81-20-9		n-Eicosane	112-95-8		Ethyl pirimiphos*	23505-41-1	
2,2-Dimethylpentane	590-35-2		1-Eicosene	3452-07-1		2-Ethyltoluene	611-14-3	
2,3-Dimethylpentane	565-59-3		Eicosanoic acid			3-Ethyltoluene	620-14-4	
2,4-Dimethylpentane	108-08-7		(Arachidic acid)	506-30-9		4-Ethyltoluene	622-96-8	
3,3-Dimethylpentane	562-49-2		trans-9-Elaidic methyl ester	2462-84-2		Ethyl tridecanoate	28267-29-0	
2,4-Dimethyl-3-pentanone	565-80-0		Endosulfan I (□)*	959-98-8	Yes	Ethyl undecanoate	627-90-7	
2,3-Dimethyl-2-pentene	10574-37-5		Endosulfan II (□)*	33213-65-9	Yes	Etridiazole (Ethazol)*	2593-15-9	
2,3-Dimethylphenol	526-75-0		Endosulfan sulfate*	1031-07-8	Yes			
2,4-Dimethylphenol	105-67-9	Yes	Endothall*	145-73-3		F		
2,4-Dimethylphenol-3,5,6-d3*	105-67-9		Endrin*	72-20-8	Yes	Famphur*	52-85-7	
2,5-Dimethylphenol	95-87-4		Endrin aldehyde*	7421-93-4	Yes	Fenamiphos	22224-92-6	
2,6-Dimethylphenol	576-26-1		Endrin ketone*	53494-70-5	Yes	Fenchlorphos*	299-84-3	
3,4-Dimethylphenol	95-65-8		Epichlorohydrin*	106-89-8		Fenitrothion*	122-14-5	
3,5-Dimethylphenol	108-68-9		EPN*	2104-64-5		Fenobucarb*	3766-81-2	
Dimethyl phthalate	131-11-3	Yes	Eptam® (EPTC)*	759-94-4		Fenthion*	55-38-9	
2,2-Dimethylpropane	463-82-1		Ergosterol	57-87-4		Fenuron*	101-42-8	
Dimethyl sulfate	77-78-1		l-Erythritol	149-32-6		Fenvalerate	51630-58-1	
Dimethyl sulfide	75-18-3		Erucic acid methyl ester	1120-34-9		Fluometuron*	2164-17-2	
2,4-Dimethylsulfone	1003-78-7		Esfenvalerate	66230-04-4		Fluoranthene*	206-44-0	Yes
1,2-Dinitrobenzene	528-29-0		Ethalfuralin*	55283-68-6		Fluorchloridone	61213-25-0	Yes
1,3-Dinitrobenzene	99-65-0		Ethanol	64-17-5	Yes	Fluorene*	86-73-7	
1,4-Dinitrobenzene	100-25-4		Ethion*	563-12-2		Fluorene-d ₁₀ *	86-73-7	
2,4-Dinitrophenol	51-28-5	Yes	Ethiofencarb	29973-13-5		2-Fluoroacetamide	640-19-7	
2,5-Dinitrophenol	329-71-5		2-Ethoxyethanol	110-80-5		4-Fluoroaniline	371-40-4	
2,6-Dinitrophenol	573-56-8		2-Ethoxyethyl acetate	111-15-9		Fluorobenzene	462-06-6	
3,4-Dinitrophenol	577-71-9		3-Ethoxy-1-propanol	111-35-3		2-Fluorobiphenyl	321-60-8	
2,4-Dinitrophenylhydrazine HCl			Ethoxyquin	91-53-2		1-Fluoronaphthalene	321-38-0	
	119-26-6		Ethyl acetate	141-78-6		2-Fluoronaphthalene	323-09-1	
2,3-Dinitrotoluene	602-01-7		Ethyl acrylate	140-88-5		2-Fluorophenol	367-12-4	Yes
2,4-Dinitrotoluene	121-14-2	Yes	n-Ethylaniline	103-69-5		Flutolanil*	66332-96-5	
2,6-Dinitrotoluene	606-20-2	Yes	2-Ethylaniline	578-54-1		Folic acid	75708-92-8	
3,4-Dinitrotoluene	610-39-9		3-Ethylaniline	587-02-0		Formaldehyde-2,4-DNPH	1081-15-8	
Dinoseb*	88-85-7		4-Ethylaniline	589-16-2		Formamide	75-12-7	
Di-n-octyl adipate	103-23-1		Ethylbenzene	100-41-4		Formanilide	103-70-8	
Di-n-octyl phthalate	117-84-0	Yes	Ethylbenzene-d ₁₀ *	25837-05-2		Freon® 13*	75-72-9	
Di-n-octyl phthalate-d ₄ *	117-84-0		2-Ethyl-1-butanol	97-95-0		Freon 112*	76-12-0	
Diocleal*	—		n-Ethylcarbazole	86-28-2		Freon 113*	354-58-5	
1,4-Dioxane	123-91-1		Ethyl cyclohexane	1678-91-7		Freon 114*	76-14-2	
2,4-Di-tert-pentylphenol	120-95-6		Ethyl cyclopentane	1640-89-7		Freon 115*	76-15-3	
Diphenyl isophthalate	—		Ethylenediamine	107-15-3		Freon 143A	420-46-2	
Diphenate*	994-22-9		Ethylene glycol	107-21-1		D-Fructose	57-48-7	
1,2-Diphenylethane (Bibenzyl)	103-29-7		Ethylene glycol dimethacrylate	97-90-5		2-Furaldehyde	98-01-1	
1,2-Diphenylhydrazine	122-66-7		Ethylene oxide	75-21-8		Furan*	110-00-9	
Diphenyl phthalate	84-62-8		Ethylene thiourea	96-45-7				
Di(propylene glycol)	110-98-5		Ethyl formate	109-94-4		G		
4,4-Dipropylheptane	17312-72-0		3-Ethylheptane	—		D(+)-Galactose	59-23-4	
Diquat*	6385-62-2		4-Ethylheptane	2216-32-2		□-D-Glucose	492-61-5	
Disulfoton*	298-04-4		3-Ethylhexane	619-99-8		L-Glutamic acid	56-86-0	
Diuron*	330-54-1		2-Ethylhexanoic acid	149-57-5		L-Glutamine	56-85-9	
n-Docosane	629-97-0		2-Ethyl-1-hexanol	104-76-7		L-Glycine	56-40-6	
Docosanoic acid (Behenic)	112-85-6		2-Ethyl hexyl acrylate	103-11-7		Goal®*	42874-03-3	
cis-7,10,13,16,19-Docosapentaenoic acid methyl ester	108698-02-8		Ethyl mercaptan*	75-08-1		Guanosine	118-00-3	
n-Dodecane	112-40-3		Ethyl methacrylate	97-63-2		Guanosine-5'-monophosphate	85-32-5	
1-Dodecanol	112-53-8		Ethyl methanesulfonate	62-50-0		Guthion®*	86-50-0	
1-Dodecene	15999-67-3		cis-1-Ethyl-2-methyl cyclopentane	930-89-2				
Dodecyl aldehyde	112-54-9		3-Ethyl-3-methylheptane	17302-01-1		H		
n-Dodecyl mercaptan	112-55-0		3-Ethyl-2-methylpentane	609-26-7		n-Heneicosane	629-94-7	
n-Dotriacontane	544-85-4		3-Ethyl-3-methylpentane	1067-08-9		Heneicosanoic acid	2363-71-5	
Dual® (Metolachlor)*	51218-45-2		5-Ethyl-2-methyl-pyridine	104-90-5		n-Hentriacontane (C31)	630-04-6	
Dulcitol	608-66-2		3-Ethylpentane	617-78-7		Heptachlor*	76-44-8	
Dursban®*	2921-88-2		2-Ethylphenol	90-00-6		Heptachlor epoxide isomer A*	1024-57-3	Yes
			3-Ethylphenol	620-17-7		Heptachlor epoxide		

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isomer B*	1024-57-3	Yes	n-Hexylbenzene	1077-16-3		L		
2,2',3,3',4,4',5-Heptachlorobiphenyl	35065-30-6		L-Histidine HCl monohydrate	71-00-1		D(-)Lactic acid	79-33-4	
2,2',3,3',4,4',6-Heptachlorobiphenyl	52663-71-5		HMX	2691-41-0		Lactose	663-42-3	
2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065-29-3		Hoe-Gras*	51338-27-3		□-Lactose	5984-81-1	
2,2',3,4,5,5',6-Heptachlorobiphenyl	52663-68-0		Hydraulic oil	64742-54-7		Lanosterol	79-63-0	
n-Heptacosane	593-49-7		Hydrazine	302-01-2		Lard oil	8016-28-2	
n-Heptadecane	629-78-7		3-Hydroxycarbofuran	16655-82-6		Lauric acid	143-07-7	
n-Heptadecanoic acid (Margaric acid)	506-12-7		2-Hydroxyethylmethacrylate	868-77-9		Lauric acid methyl ester	106-33-2	
Heptadecanoic acid methyl ester	14010-23-2		2-Hydroxypropionitrile	78-97-7		Lauryl gallate (Dodecyl gallate)	1166-52-5	
Heptane	142-82-5		I			L-Leucine	61-90-5	
n-Heptane	142-82-5		Imazalil*	35554-44-0		Lindane (□BHC)*	58-89-9	
Heptanoic acid	111-14-8		Indan*	496-11-7		Linoleic acid methyl ester	2566-97-4	
Heptanoic acid methyl ester	106-30-9		Indene*	95-13-6		□-Linolenic acid methyl ester	16326-32-2	
Heptatriacontane	7194-84-5		Indeno(1,2,3-cd)pyrene*	193-39-5		Linuron*	330-55-2	
1-Heptene	592-76-7		Indole	120-72-9		L-Lysine monohydrochloride	657-27-2	
Hexabromobenzene	87-82-1		Inosine	58-63-9		Lys-Phe dipeptide	—	
2,2',4,4',5,5'-Hexabromobiphenyl	59080-40-9		2-Iodoethanol	624-76-0		M		
2,2',4,4',6,6'-Hexabromobiphenyl	52961-08-4		Iodomethane	74-88-4		Malathion*	121-75-5	
Hexachlorobenzene	118-74-1	Yes	Ioxynil (3,5-Diiodo-4-hydroxybenzotrile)	1689-83-4		Malazide*	123-33-1	
2,2',3,3',4,4'-Hexachlorobiphenyl	38380-07-3		Iprodione	36734-19-7		D-Malic acid	636-61-3	
2,2',3,3',6,6'-Hexachlorobiphenyl	38411-22-2		Isoamyl acetate	123-92-2		Malononitrile	109-77-3	
2,2',3,4,4',5-Hexachlorobiphenyl	35065-28-2		Isoamyl alcohol	123-51-3		Maltahexaose	34620-77-4	
2,2',3,4',5',6-Hexachlorobiphenyl	38380-04-0		Isobutane	75-28-5		Maltitol	585-88-6	
2,2',4,4',5,5'-Hexachlorobiphenyl	35065-30-6		Isobutanol	78-83-1		Maltoheptaose	34620-78-5	
2,2',4,4',5,6'-Hexachlorobiphenyl	60145-22-4		Isobutyl acetate	110-19-0		Maltopentaose	34620-76-3	
2,2',4,4',6,6'-Hexachlorobiphenyl	33979-03-2		Isobutyl benzene	538-93-2		Maltose (mixed isomers)	6363-53-7	
2,3,3',4,5,6-Hexachlorobiphenyl	—		Isobutyl aldehyde-DNPH	2057-82-1		Maltose monohydrate	69-79-4	
Hexachlorobutadiene	87-68-3	Yes	Isocaproic acid	646-07-1		Maltotetraose	34612-38-9	
Hexachlorocyclopentadiene	77-47-4	Yes	DL-Isocitric acid	1637-73-6		Maltotriose	1109-28-0	
Hexachloroethane	67-72-1		Isodrin*	465-73-6		Mannitol	69-65-8	
Hexachlorophene	70-30-4		Isfenphos*	25311-71-1		D(+)-Mannose (mixed isomers)	3458-28-4	
Hexachloropropylene	1888-71-7		L-Isoleucine	73-32-5		MCPA*	94-74-6	
Hexacontane	7667-80-3		Isomaltose (mixed isomers)	499-40-1		MCPA methyl ester*	2786-19-7	
n-Hexacosane	630-01-3		Isomaltotriose	3371-50-4		MCPB	94-81-5	
Hexadecanol	36653-82-4		Isooctane	540-84-1		MCPP*	7085-19-0	
n-Hexadecane	544-76-3		Isophorone	78-59-1	Yes	MCPP methyl ester*	2436-73-9	
1-Hexadecene	629-73-2		Isoprene	78-79-5		D(+)-Melezitose	10030-67-8	
Hexaldehyde-2,4-DNPH	1527-97-5		Isopropyl carb*	2631-40-5		Menadione (K3)	58-27-5	
Hexamethylenediamine	—		Isopropyl acetate	108-21-4		Menaquinone (K2)	11032-49-8	
Hexanal	66-25-1		Isopropylamine	75-31-0		Menthol	89-78-1	
Hexane	110-54-3		4-Isopropylaniline	99-87-7		Merphos*	150-50-5	
2,3-Hexanedione	3848-24-6		Isopropylbenzene (Cumene)	98-82-8	Yes	Mesityl oxide	141-79-7	
1-Hexanol	111-27-3		Isopropyl-4,4-dichlorobenzilate	5836-10-2		Methacrolein-2,4-DNPH	—	
2-Hexanone	591-78-6		Isopropylcyclopentane	—		Methacrylic acid	79-41-4	
3-Hexanone	589-38-8		Isopropyl ether	108-20-3		Methacrylonitrile	126-98-7	
Hexanoic Acid	142-62-1		4,4'-Isopropylidenediphenol	80-05-7		Methamidophos*	10265-92-6	
n-Hexatriacontane	630-06-8		p-Isopropyltoluene	99-87-6	Yes	Methane sulphonic acid	75-75-2	
Hexazinone	51235-04-2		Isoprothiolane	50512-35-1		Methanol	67-56-1	
			Isosafrol (cis & trans)	120-58-1		Methapyrilene HCl	135-23-9	
			Isovaleraldehyde-2,4-DNPH	2256-01-1		Methiocarb*	2032-65-7	
			Isovaleric acid	503-74-2		Methiocarb sulfone (Mercaptodimethur sulfone)	—	
			Isoxathion*	18854-01-8		L-Methionine	63-68-3	
			J			Methomyl*	16752-77-5	
			JP-4 Military Fuel	8008-20-6		Methoxychlor*	72-43-5	Yes
			JP-5 Military Fuel	8008-20-6		2-Methoxyethanol	109-86-4	
			JP-8 Military Fuel	8008-20-6		1-Methoxy-2-propanol	107-98-2	
			K			Methyl acetate	79-20-9	
			Kathon*	55965-84-9		Methyladenosine	15763-06-1	
			Kepon [®] *	143-50-0				

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Methyl arachidate	1120-28-1		Methyl methacrylate	80-62-6		Naphthalene-d ₈ *	1146-65-2	
Methyl acrylate	96-33-3		Methyl methanesulfonate	66-27-3		1,4-Naphthoquinone	130-15-4	
Methyl behenate	929-77-1		Methyl myristate	124-10-7		1-Naphthylamine	134-32-7	
4-Methylbenzaldehyde*	104-87-0		□-Methylnaphthalene*	90-12-0		2-Naphthylamine	91-59-8	
Methyl benzoate	8016-28-2		2-Methylnaphthalene	91-57-6	Yes	Naptalam*	132-66-1	
Methyl bromoacetate	96-32-2		Methyl nervonate	—		Neburon	555-37-3	
Methyl bromochloroacetate	—		2-Methyl-6-nitroaniline	570-24-1		Neohesperidin		
2-Methylbutane	78-78-4		4-Methyl-2-nitroaniline	89-62-3		dihydrochalcone	20702-77-6	
2-Methyl-1-butanol	137-32-6		Methyl nonadecanoate	1731-94-8		Nervonic acid methyl ester	2733-88-2	
3-Methyl-1-butanol	123-51-3		2-Methylnonane	—		Niacinamide	9-82-0	
3-Methyl-2-butanol	598-75-4		Methyl nonanoate	1731-84-6		Nitrotriacetic acid	139-13-9	
3-Methyl-2-butanone	563-80-4		2-Methyloctane	3221-61-2		5-Nitroacenaphthene	602-87-9	
2-Methyl-1-butene	563-46-2		3-Methyloctane	2216-33-3		2-Nitroaniline	88-74-4	Yes
2-Methyl-2-butene	513-35-9		4-Methyloctane	2216-34-4		3-Nitroaniline	99-09-2	Yes
3-Methyl-1-butene	563-45-1		Methyl octanoate	111-11-5		4-Nitroaniline	100-01-6	Yes
Methyl tert-butyl ether	1634-04-4		Methyl oleate	112-62-9		4-Nitroanisol	100-17-4	
Methyl butyrate	623-42-7		Methyl palmitate	112-39-0		Nitrobenzene	98-95-3	
3-Methylcholanthrene*	56-49-5		Methyl parathion*	298-00-0		Nitrobenzene-d ₅ *	4165-60-0	
3-Methylcyclopentene	—		Methyl pentadecanoate	7132-64-1		2-Nitrodiphenylamine	119-75-5	
2-o-Methylcytidine	—		2-Methylpentane	107-83-5		2-Nitrophenol	88-75-5	Yes
5-Methylcytidine	2140-61-6		3-Methylpentane	96-14-0		3-Nitrophenol	554-84-7	
3-Methylcytidine methosulfate	—		4-Methyl-2-pentanone	108-10-1	Yes	4-Nitrophenol	100-02-7	Yes
2-Methyldecane	—		p-Methyl PEMA	—		1-Nitropropane	108-03-2	
Methyl decanoate	334-48-5		2-Methylphenanthrene	2531-84-2		2-Nitropropane	79-46-9	
Methyldibromoacetate (Dibromo- acetic acid-methyl ester)	—		2-Methylphenol	95-48-7		N-Nitroquinoline-N-oxide*	56-57-5	
Methyl-2,3-dichloro- propionate	3674-09-7		3-Methylphenol	108-39-4		Nitrosobenzene	586-96-9	Yes
2-Methyl-4,6-dinitrophenol	534-52-1		4-Methylphenol	106-44-5		N-Nitrosodiethylamine	5518-5	
Methyl disulfide	624-92-0		p-Methyl primidone•	59026-32-3		Nitrosodiisopropylamine	601-77-4	
Methylene chloride	75-09-2		2-Methylpropene	115-11-7		N-Nitrosodimethylamine	62-75-9	Yes
4,4'-Methylenebis- (2-chloroaniline)	101-14-4		Methyl propionate	554-12-1		N-Nitrosodi-n-butylamine	924-16-3	
4,4'-Methylenedianiline	101-77-9		Methyl propyl disulfide	2179-60-4		N-Nitroso-di-n-propylamine	621-64-7	Yes
Methylene-di-p-phenyl- diisocyanate	—		1-Methyl-2-pyrrolidinone	872-50-4		N-Nitrosodiphenylamine	86-30-6	Yes
Methyl eicosenoate	2390-09-2		Methyl stearate	112-61-8		N-Nitrosomorpholine	59-89-2	
Methyl ether	115-10-6		□-Methyl styrene	100-80-1		N-Nitroso-n- methylethylamine	10595-95-6	
2-Methyl-6-ethylaniline	24549-06-2		□-Methyl styrene	873-66-5		N-Nitrosopiperidine	100-75-4	
Methylethyl sulfide	624-89-5		2-Methyl styrene	611-15-4		N-Nitrosopyrrolidine	930-55-2	
2-Methylfluoranthene*	33543-31-6		Methyl thiouracil	56-04-2		2-Nitrotoluene	88-72-2	
2-Methyl furan	534-22-5		n-Methyl-p-toluidine	623-08-5		3-Nitrotoluene	99-08-1	
7-Methylguanosine	20244-86-4		Methyl tribromoacetate	3222-05-7		4-Nitrotoluene	99-99-0	
Methyl heneicosanoate	6064-90-0		Methyl trichloroacetate	598-99-2		5-Nitro-o-toluidine	99-55-8	
Methyl heptadecanoate	1731-92-6		Methyl tricosanoate	2433-97-8		cis-Nonachlor*	5103-73-1	
2-Methylheptane	592-27-8		Methyl tridecanoate	1731-88-0		trans-Nonachlor*	39765-80-5	
3-Methylheptane	589-81-1		2-Methylundecane	18516-37-5		2,2',3,3',4,4',5,5',6- Nonachlorobiphenyl	40186-72-9	
4-Methylheptane	589-53-7		Methyl undecanoate	1731-86-8		n-Nonacosane	630-03-5	
Methyl heptanoate	106-73-0		Methyl valerate (Methyl pentanoate)	624-24-8		n-Nonadecane	629-92-5	
2-Methyl-3-heptanone	13019-20-2		Metolachlor (Dual®)*	51218-45-2		Nonadecane-d ₁₀	629-92-5	
5-Methyl-3-heptanone	106-68-3		Metribuzin*	21087-64-9		Nonadecanoic acid	646-30-0	
2-Methylhexane	591-76-4		Mevinphos*	26718-65-0		Nonadecanoic acid methyl ester	18281-04-4	
3-Methylhexane	589-34-4		Mirex*	2385-85-5		n-Nonane	111-84-2	
Methyl hexanoate	106-70-7		Mocap®*	13194-48-4		Nonanoic acid methyl ester	123-29-5	
5-Methyl-2-hexanone	110-12-3		Molinate*	221-2-67-1		Nonanoic acid (Pelargonic acid)	112-05-0	
2-Methyl-2-hexene	—		Monncrotophos*	6923-22-4		Nonanol	143-08-8	
3-Methyl-3-hexene	3404-65-7		Montmorillonite	152211-06-8		1-Nonene	124-11-8	
m-Methylhippuric acid	27115-49-7		Morpholine	110-91-8		n-Nonylamine	112-20-9	
Methyl hydrazine	60-34-4		Myristelaic acid methyl ester	7202-51-4		Nonyl aldehyde	124-19-6	
Methyl isothiocyanate	556-61-6		Myristic acid ethyl ester	124-06-1		Nordihydroguaiaretic acid (NDGA)	500-38-9	
Methyl laurate	143-07-7		Myristoleic acid methyl ester	56219-06-8		Norflurazon	27314-13-2	
Methyl lignocerate	2442-49-1							
Methyl linolelaidate	2566-97-4							
Methyl linolenate	301-00-8							
Methyl mercaptan	74-93-1							
			N			O		
			Nabam*	142-59-6		Ochratoxin A	303-47-9	
			Naled*	300-76-5				
			Naphthalene*	91-20-3	Yes			

*Compound maximum concentration 1000µg/mL. If you require higher concentration in your custom mix, please contact Supelco's Custom Standards Department directly for a quote. Do not use the pricing schedule on page13.

▲Separate Source (see page 1).

Item Description	CAS No.	2S [▲]	Item Description	CAS No.	2S [▲]	Item Description	CAS No.	2S [▲]
Ochratoxin B	4825-86-9		Pencycuron*	66063-05-6		4-Phenylcyclohexene	4994-16-5	
2,2',3,3',4,4',5,5'- Octachlorobiphenyl	35694-08-7		Pentachloroanisole	1825-21-4		1-Phenylcyclohexylamine (hydrochloride form)	1934-71-0	
2,2',3,3',4,4',5,6- Octachlorobiphenyl	52663-78-2		Pentachlorobenzene	608-93-5		1-Phenyldecane	104-72-3	
2,2',3,3',4,5',6,6'- Octachlorobiphenyl	52663-73-7		2,2',3',4,6- Pentachlorobiphenyl	55215-17-3		1,3-Phenylenediamine	108-45-2	
Octachloronaphthalene	2234-13-1		2,2',4,5,5'- Pentachlorobiphenyl	37680-73-2		1,4-Phenylenediamine	624-18-0	
Octachlorostyrene	29082-74-4		2,3,3',4,4'- Pentachlorobiphenyl	32598-14-4		Phenyl ether	101-84-8	
n-Octacosane	630-02-4		2,3,4,5,6- Pentachlorobiphenyl	56558-18-0		2-Phenylindole	948-65-2	
n-Octadecane	593-45-3		2,3',4,4',5- Pentachlorobiphenyl	31508-00-6		1-Phenyl octane	2189-60-8	
Octadecanoic acid (Stearic)	57-11-4		3,3',4,4',5- Pentachlorobiphenyl	57465-28-8		2-Phenylphenol	90-43-7	
1-Octadecene	112-88-9		Pentachloroethane	76-01-7		4-Phenylphenol	92-69-3	
cis-7-Octadecenoic methyl ester	2278-59-3		Pentachloronitrobenzene	82-68-8		Phorate*	298-02-2	
trans-7-Octadecenoic methyl ester	28010-10-8		Pentachlorophenol	85380-74-1	Yes	Phosphatidylethanolamine	67-66-3	
cis-12-Octadecenoic methyl ester	2733-86-0		Pentachlorophenol-13C6	—		Phthalic acid	88-99-3	
trans-12-Octadecenoic methyl ester	20221-23-2		2,3,4,5,6-Pentachlorotoluene	877-11-2		Phthalic acid, dimethyl-d ₆ ester*	—	
cis-13-Octadecenoic methyl ester	13058-55-4		Pentacontane	6596-40-3		Phthalic anhydride	85-44-9	
trans-13-Octadecenoic methyl ester	42199-38-2		Pentacosane	—		Phytane	638-36-8	
cis-15-Octadecenoic methyl ester	10411-39-9		n-Pentacosane	629-99-2		Phytic acid	123408-98-0	
trans-15-Octadecenoic acid methyl ester	26528-53-0		n-Pentadecane	629-62-9		Picloram*	1918-02-1	
Octadecylamine	124-30-1		Pentadecanoic acid	1002-84-2		Picloram methyl ester	—	
Octafluoronaphthalene*	313-72-4		Pentadecanoic acid methyl ester	41114-00-5		2-Picoline	109-06-8	
Octahydroanthracene	1079-71-6		1-Pentadecene	629-62-9		Polystyrene, MW 110,000	9003-53-6	
n-Octane	111-65-9		cis-10-Pentadecenoic acid methyl ester	90176-52-6		Polystyrene, MW 220,000	9003-53-6	
1-Octanol	111-87-5		cis-1,3-Pentadiene	—		Polystyrene, MW 30,000	9003-53-6	
2-Octanone	111-13-7		trans-1,3-Pentadiene	2004-70-8		Polystyrene, MW 400,000	9003-53-6	
Octanoic acid	124-07-2		Pentafluorobenzene	363-72-4		Polystyrene, MW 5000	9003-53-6	
Octatriacontane	7194-85-6		Pentafluorophenol	771-61-9		Polystyrene, MW 1,800,000	9003-53-6	
1-Octene	111-66-0		2,2,4,6,6- Pentamethylheptane	13475-82-6		Polystyrene, MW 100,000	9003-53-6	
Octyl aldehyde	124-13-0		Pentane	109-66-0		Polystyrene, MW 17,500	9003-53-6	
Octylamine	111-86-4		3-Pentanol	584-02-1		Polystyrene, MW 2000	9003-53-6	
Octyl gallate	1034-01-1		1-Pentene	109-67-1		Polystyrene, MW 233,000	9003-53-6	
n-Octyl mercaptan	111-88-6		cis-2-Pentene	627-20-3		Polystyrene, MW 300,000	9003-53-6	
cis-9-Oleic methyl ester	112-63-0		trans-2-Pentene	646-04-8		Polystyrene, MW 4000	9003-53-6	
Olive oil (refined)	8001-25-0		n-Pentylbenzene	538-68-1		Polystyrene, MW 50,000	9003-53-6	
Ordram® (Molinate)*	2212-67-1		Perfluorotributylamine	311-89-7		Polystyrene, MW 600,000	9003-53-6	
L-Ornithine HCl	3184-13-2		Permethrin	52645-53-1		Polystyrene, MW 900,000	9003-53-6	
Oryzalin	19044-88-3		Perylene*	198-55-0		Polystyrene, MW 9000	9003-53-6	
Oxadiazon*	19666-30-9		Perylene-d ₁₂ *	—		Polystyrene, MW 800	9003-53-6	
Oxalic acid	144-62-7		Petroleum ether	8030-30-6		Polystyrene, MW 35,000	9003-53-6	
Oxamyl*	23135-22-0		cis-6-Petroselaidic methyl ester	2777-58-4		Polystyrene, MW 2500	9003-53-6	
P			trans-6-Petroselaidic methyl ester	2777-58-4		Polywax® 500	—	
Paarlan® (Isopropanol)*	33820-53-0		Phenacetin	62-44-2		Polywax 655	—	
Palmitic acid methyl ester	628-97-7		Phenanthrene	85-01-8	Yes	Potassium phosphate, monobasic	7778-77-0	
Palmitoleic acid methyl ester	1120-25-8		Phenanthrene-d ₁₀ *	1517-22-2		Potassium sorbate	590-00-1	
D-Panthenic acid (Hemicalcium salt)	137-08-6		Phenol	4165-62-2	Yes	Potassium sulfate	7778-80-5	
Paraformaldehyde	30525-89-4		Phenol-d ₆ *	4165-62-2		Primidone*	125-33-7	
Paraldehyde	123-63-7		Phenol-d ₆	13127-88-3		Pristane*	1921-70-6	
Paraquat*	1910-42-5		Phenylacetylene	536-74-3		Procymidone*	32809-16-8	
Parathion*	56-38-2		L-Phenylalanine	63-91-2		L-Proline	147-85-3	
Patulin	149-29-1		9-Phenylanthracene	602-55-1		Prometon*	1610-18-0	
Peanut oil	8002-03-7		Phenylanthradine	229-87-8		Prometryn*	7287-19-6	
Pebulate*	1114-71-2		Phenylboric acid	98-80-6		Pronamide (Kerb)*	23950-58-5	
			4-Phenylbutyric acid	1821-12-1		Propachlor*	1918-16-7	
			n-Phenylcarbazole	1150-62-5		Propane	74-98-6	

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▲Separate Source (see page 1).

Item Description	CAS No.	2S [▲]	Item Description	CAS No.	2S [▲]	Item Description	CAS No.	2S [▲]
□-Propiolactone	57-57-8		Sodium benzoate	532-32-1		2,3,4,5-Tetrachlorophenol	4901-51-3	
Propionaldehyde-2,4-DNPH	725-00-8		Sodium bromide	7647-15-6		2,3,4,6-Tetrachlorophenol	58-90-2	
Propionic acid ethyl ester	105-37-3		Sodium fluoride	7681-49-4		2,3,5,6-Tetrachlorophenol	935-95-5	
Propionitrile	107-12-0		Sodium formate, Sodium salt	141-53-7		Tetrachloroterephthalic acid	2136-79-0	
Propoxur*	114-26-1		Sodium nitrate crystal	7631-99-4		2,4,5,6-Tetrachloro-m-xylene	877-09-8	
n-Propyl acetate	109-60-4		Sodium polystyrene sulfonate, MW 1800	9080-79-9		n-Tetracontane	4181-95-7	
n-Propyl acrylate	925-60-0		Sodium polystyrene sulfonate, MW 35,000	9080-79-9		n-Tetracosane	646-31-1	
n-Propylamine	107-10-8	Yes	Sodium polystyrene sulfonate, MW 400,000	9080-79-9		Tetracosanoic acid	557-59-5	
n-Propylbenzene	103-65-1		Sodium sulfate anhydrous	7757-82-6		n-Tetradecane	629-59-4	
n-Propyl benzoate	2315-68-6		D-Sorbitol	50-70-4		Tetradecanol	112-72-1	
n-Propylcyclopentane	2040-96-2		Soybean oil	8001-22-7		1-Tetradecene	1120-36-1	
Propyl disulfide	629-19-6		Squalane	111-01-3		Tetradecyl aldehyde	124-25-4	
Propylene carbonate	108-32-7		Squalene	111-02-4		Tetraethylene glycol	112-60-7	
Propylene glycol methyl ether acetate	108-65-6		Stachyose	10094-58-3		Tetraethyl lead	78-00-2	
Propylene oxide	75-56-9		Stearic acid methyl ester	111-61-5		1,1,1,2-Tetrafluoroethane	811-97-2	
Propyl ether	111-43-3		Sterigmatocystin	10048-13-2		1,2,3,4-Tetrahydronaphthalene	119-64-2	
Propyl gallate	121-79-9		Stigmasterol	83-48-7		Tetrahydrothiophene	110-01-0	
4-Propylheptane	—		trans-Stilbene	588-59-0		Tetramethrin	7696-12-0	
Prowl® (Pendimethalin)*	40487-42-1		Stirifos*	961-11-5		1,2,3,4-Tetramethylbenzene	488-23-3	
Psicose (mixed anomers)	551-68-8		Styrene	100-42-5	Yes	1,2,4,5-Tetramethylbenzene	95-93-2	
Pyrene*	129-00-0	Yes	Sucrose	57-50-1		1,1,3,5-Tetramethylcyclohexane	—	
Pyrene-d ₁₀ *	129-00-0		Succinic acid	110-15-6		2,2,6,6-Tetramethylheptane	1118-71-4	
Pyridine-d ₅ *	7291-22-7		Sulfotep*	3689-24-5		2,2,5,5-Tetramethylhexane	—	
Pyridoxine hydrochloride (B6)	58-56-0		Sulfur dioxide	7446-09-5		2,2,4,4-Tetramethylpentane	—	
Pyrolysis gasoline (Py Gas)	8006-61-9		Sulpropfos (Bolstar)*	35400-43-2		2,3,5,6-Tetramethylphenol	527-35-5	
Pyrrrole	109-97-7		Sunflower seed oil	8001-21-6		Tetramethylthiuram disulfide	137-26-8	
Q			Sutan® (Butylate)*	2008-41-5		Tetraphenylethylene	632-51-9	
Quinic acid	77-95-2		Swep*	1918-18-9		n-Tetratetracontane	7098-22-8	
Quinidine	56-54-2		T			n-Tetratriacontane	14167-59-0	
Quinidine sulfate	6591-63-5		2,4,5-T*	93-76-5		Tetryl	479-45-8	
Quinine sulfate	804-63-7		2,4,5-T methyl ester*	1928-37-6		Theophylline	58-55-9	
Quinoline	91-22-5		D-Tartaric acid	147-71-7		Thiamine hydrochloride (B1)	67-03-8	
R			Tebuthiuron*	34014-18-1		Thioacetamide	62-55-5	
D(+)-Raffinose	17629-30-0		Terbacil*	5902-51-2		Thiobencarb*	28249-77-6	
Reformate	68955-35-1		Terbufos*	13071-79-9		2-Thiocytidine	13239-97-9	
Reformate	8006-61-9		Terbutol	1918-11-2		Thiofanox	39196-18-4	
Ribitol (Adonitol)	488-81-3		Terbutryn*	886-50-0		Thionazin*	297-97-2	
Riboflavin (B2)	83-88-5		m-Terphenyl	92-06-8		Thiophene	110-02-1	
D(-)-Ribose	50-69-1		o-Terphenyl	84-15-1		Thiosemicarbazide	79-19-6	
Ribothymidine	1463-10-1		p-Terphenyl	92-94-4		Thiram*	137-26-8	
Ro-Neet® (Cycloate)*	1134-23-2		p-Terphenyl-d ₁₄ *	1718-51-0		D-Threo-2-amino-1-(4-nitrophenyl)- 1,3-propanediol	716-61-0	
Ronnel*	299-84-3		□-Terpinene	99-86-5		L-Threonine	72-19-5	
S			1,2,3,4-Tetrachlorobenzene	634-66-2		Tillam®*	1114-71-2	
Saccharin	81-07-2		1,2,3,5-Tetrachlorobenzene	634-90-2		Tokuthion*	34643-46-4	
Saccharin hemicalcium	6381-91-5		1,2,4,5-Tetrachlorobenzene	95-94-3		Tolban® (Profluralin)*	26399-36-0	
Saccharin sodium	82385-42-0		2,2',3,5'-Tetrachlorobiphenyl	41464-39-5		Tolclofos, methyl*	57018-04-9	
Safflower oil	8001-23-8		2,2',4,4'-Tetrachlorobiphenyl	2437-79-8		m-Tolualdehyde	620-23-5	
Safrole	94-59-7		2,2',5,5'-Tetrachlorobiphenyl	35693-99-3		o-Tolualdehyde	529-20-4	
Salicylic acid	69-72-7		2,3',4',4'-Tetrachlorobiphenyl	32598-10-0		m-Tolualdehyde-2,4-DNPH	2880-05-9	
L-Serine	56-45-1		3,3',4',4'-Tetrachlorobiphenyl	32598-13-3		o-Tolualdehyde-2,4-DNPH	1773-44-0	
Sevin (Carbaryl)*	63-25-2		2,3',4',5'-Tetrachlorobiphenyl	32598-11-1		p-Tolualdehyde-2,4-DNPH	2571-00-8	
Shell® Aromatic Process Oil 100	69013-21-4		1,1,1,2-Tetrachloroethane	630-20-6	Yes	Toluene	108-88-3	
(-)Shikimic acid	138-59-0		1,1,2,2-Tetrachloroethane	79-34-5		Toluene-d ₈ *	2037-26-5	
Siduron*	1982-49-6		Tetrachloroethylene	127-18-4		Toluenediamine	49672-0	
Silvex® methyl ester	4841-20-7					Toluene-2,4-diisocyanate	584-84-9	
Simazine*	122-34-9					Toluene-2,6-diisocyanate	5103-73-1	
Simetryn*	1014-70-6					o-Toluidine	95-53-4	
□-Sitosterol	83-46-5					p-Toluidine	106-49-0	
Sodium azide	26628-22-8					o-Toluidine HCl	631-21-5	
						Toxaphene*	8001-35-2	
						2,4,5-TP	93-72-1	
						Transformer oil, DCS61	63148-62-9	

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Item Description	CAS No.	2S [▲]	Item Description	CAS No.	2S [▲]	Item Description	CAS No.	2S [▲]
n-Triacontane	638-68-6		1,3,5-Trimethylbenzene	108-67-8	Yes	Vinyl bromide	593-60-2	
Triadimefon*	43121-43-3		2,2,3-Trimethylbutane	464-06-2		Vinyl chloride	75-01-4	Yes
Triallate*	2303-17-5		1,1,3-Trimethylcyclohexane	—		Vinyl toluene	100-80-1	
1,3,5-Tribromobenzene	626-39-1		1,1,4-Trimethylcyclohexane	—		VM&P naphtha (Ligroin)	8032-32-4	
2,4,6-Tribromobiphenyl	—		1,2,3-Trimethylcyclohexane	—		X		
2,4,6-Tribromophenol	118-79-6		1,2,4-Trimethylcyclohexane	—		Xanthene	92-83-1	
Tributyl phosphate	126-73-8		1,3,5-Trimethylcyclohexane	—		o-Xylene	95-47-6	Yes
Tricaprin*	621-71-6		cis-cis-cis-1,2,3-Trimethylcyclopentane	—		m-Xylene	108-38-3	
Tricaprylin*	538-23-8		cis-trans-cis-1,2,3-Trimethylcyclopentane	—		p-Xylene	106-42-3	Yes
Trichlorfon*	52-68-6		3,3,5-Trimethylheptane	—		Xylenes	1330-20-7	
Trichloroacetonitrile	545-06-2		2,2,4-Trimethylhexane	—		Xylitol	87-99-0	
2,4,5-Trichloroaniline	636-30-6		2,2,5-Trimethylhexane	3522-94-9		D(+)-Xylose	58-86-6	
2,4,6-Trichloroaniline	634-93-5		2,3,4-Trimethylhexane	1069-53-0		Z		
1,2,3-Trichlorobenzene	87-61-6	Yes	2,4,4-Trimethylhexane	—		□-Zearalenol	36455-72-8	
1,2,4-Trichlorobenzene	120-82-1	Yes	3,5,5-Trimethyl-1-hexane	4316-65-8		□-Zearalenol	71030-11-0	
1,3,5-Trichlorobenzene	108-70-3		2,3,3-Trimethylpentane	560-21-4		Zearalenone	17924-92-4	
2,2',5-Trichlorobiphenyl	37680-65-2		2,2,3-Trimethylpentane	—				
2,3,3'-Trichlorobiphenyl	38444-84-7		2,4,4-Trimethyl-1-pentene	107-39-1				
2,4',5-Trichlorobiphenyl	16606-02-3		2,3,5-Trimethylphenol	697-82-5				
2,4,4'-Trichlorobiphenyl	7012-37-5		2,3,6-Trimethylphenol	2416-94-6				
2,4,5-Trichlorobiphenyl	15862-07-4		2,4,6-Trimethylphenol	527-60-6				
2,4,6-Trichlorobiphenyl	35693-92-6		2,4,6-Trimethylstyrene	769-25-5				
1,1,1-Trichloroethane	71-55-6		Trimyristin	555-45-3				
1,1,2-Trichloroethane	79-00-5	Yes	1,3,5-Trinitrobenzene	99-35-4				
Trichloroethylene	79-01-6	Yes	2,4,6-Trinitrotoluene	118-96-7				
Trichlorofluoromethane	75-69-4	Yes	Tripalmitin	555-44-2				
Trichloronate*	327-98-0		1,3,5-Triphenylbenzene	612-71-5				
2,3,4-Trichlorophenol	15950-66-0		Triphenylene	217-59-4				
2,3,5-Trichlorophenol	933-78-8		Triphenylethylene	58-72-0				
2,3,6-Trichlorophenol	933-75-5		Triphenylmethane	519-73-3				
2,4,5-Trichlorophenol	95-95-4	Yes	Triphenylphosphine	603-35-0				
2,4,6-Trichlorophenol	88-06-2	Yes	Tris(2,3-dibromopropyl) phosphate	126-72-7				
3,4,5-Trichlorophenol	609-19-8		Tristearin	555-43-1				
1,1,2-Trichloropropane	598-77-6		Trithion*	786-19-6				
1,2,3-Trichloropropane	96-18-4	Yes	n-Tritriacontane	630-05-7				
1,1,1-Trichloropropanone	918-00-3		L-Tryptophan	73-22-3				
2,3,6-Trichlorotoluene	2077-46-5		L-Tyrosine	60-18-4				
2,4,5-Trichlorotoluene	6639-30-1		U					
Triclopyr	55335-06-3		n-Undecane	1120-21-4				
Tricontanoic acid ethyl ester	7505-12-6		Undecanoic acid					
n-Tricosane	638-67-5		(Hendecanoic)	112-37-8				
Tricosanoic acid	62433-96-7		Undecanoic acid ethyl ester	627-90-7				
n-Tridecane	629-50-5		Undecanol	112-42-5				
Tridecanoic acid	638-53-9		1-Undecene	—				
Tridecanoic acid ethyl ester	28267-29-0		Uracil	66-22-8				
Triethylene glycol	112-27-6		Urethane	51-79-6				
O,O,O-Triethylphosphorothioate*	126-68-1		Uridine	58-96-8				
+/-2,2,2-Trifluoro-1-(9-anthryl)ethanol	—		Uridine-5'-monophosphate disodium salt (UMP)	3387-36-8				
Trifluorobromomethane	75-63-8		V					
Trifluoromethane	75-46-7		Valeraldehyde-2,4-DNPH	2057-84-3				
p-Trifluoromethyl-chlorobenzene	98-56-6		Valeric acid	109-52-4				
□,□,□-Trifluorotoluene	98-08-8		Valeric acid methyl ester	539-82-2				
Trifluralin	1582-09-8		L-Valine	72-18-4				
Trihexylamine	102-86-3		cis-11-Vaccenic methyl ester	1937-63-9				
2,4,5-Trihydroxybutrophenone (THBP)	1421-63-2		trans-11-Vaccenic methyl ester	6198-58-9				
Triisobutylene	7756-94-7		Vernam®*	1929-77-7				
Trilaurin	538-24-9		Vinyl acetate	108-05-4				
Trimethylacetic acid	75-98-9							
1,2,3-Trimethylbenzene	526-73-8							
1,2,4-Trimethylbenzene	95-63-6	Yes						

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▲Separate Source (see page 1).

Price Estimating for Custom Organic Standards (US\$)

Use these charges to estimate the price for a standard that meets all of these specifications:

- Up to 15 components (excluding solvent).
- All components of your proposed mix are listed in the Raw Materials (pages 3-11) and Solvents (page 3) tables.
- Solute concentrations up to:
 - 5000µg/mL (5000ppm)
 - 1000µg/mL (1000ppm) on difficult-to-obtain or poorly soluble raw materials (indicated by an asterisk [*] in the Raw Materials Table)
- Volume up to 160mL.

Please forward requests for standards that do not meet all of these criteria directly to the Custom Chemical Standards Group. You may use a copy of the Custom Standards Form.

Using the Pricing Schedule:

1. Determine the number of solutes in the standard and the total volume (mL) you need. Find the price per unit (1mL) in the schedule and multiply \$/mL by volume. This is the **estimated price of your standard**.
2. **Photocopy** the *Quotation Form for Supelco Custom Chemical Standards* and list formulation components and solvent using name or CAS (optional) numbers, including your estimated price.
3. Determine what quality control analyses you would like us to perform. Determine the **quality control analysis charges** from the information under the Pricing Schedule.
4. Determine how you want your standard packaged. Unless you request otherwise, we will package your standard in units of 1mL.
5. Estimate the total price for your standard by adding the **price of the total units you need + quality control analysis charges**.
6. FAX the form to our Custom Standards Department (FAX 814-359-5750).

The solvents, solutes, and solute concentrations you request will be reviewed by one of our Custom Chemical Standards chemists. We will assign your request a quote number and will confirm receipt of your request, by FAX or phone, within 24 hours. You then can place your order with our Order Processing or Custom Standards Department, using the quote number provided.

Batch Pricing Schedule

Add quality control analysis charges and packaging charges (listed below table), if applicable.

Total Volume in mL	Single Solute \$/mL	2-15 Solutes \$/mL	>15 Solutes
3 (min.)	37	58	Contact Our Custom Chemical Standards Chemists
4-9	31	48	
10-39	24	37	
40-160	11	17	

Quality Control Analysis Charges

Prices apply to standards containing 15 or fewer solutes. Testing procedures are outlined on page 1.

	1-15 Components	>15 Components
Qualitative Testing:	\$175/batch	Contact us
Quantitative Testing:	\$250/batch	for pricing

Unless otherwise requested, all standards are packaged in flame-sealed ampuls in 1mL quantities (up to 10mL) or screw-capped bottle (up to 500mL). For pricing of alternate packaging sizes, contact our Custom Chemical Standards Group.

Quotation Form for Supelco Custom Organic Standards

(Photocopy this order form)

Company: _____

Page _____ of _____

Date _____

Address: _____

Customer #: _____

Custom Standards Group
Use Only

Customer Name: _____

Phone No.: _____

FAX No.: _____

Solutes (please verify spelling)	Concentration/Units	CAS # (Optional)
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____
6. _____	_____	_____
7. _____	_____	_____
8. _____	_____	_____
9. _____	_____	_____
10. _____	_____	_____
11. _____	_____	_____
12. _____	_____	_____
13. _____	_____	_____
14. _____	_____	_____
15. _____	_____	_____

Solvent: _____

Packaging Unit Volume: _____

Volume Wanted (mL): _____

No. Packaging Units: _____

(minimum 3mL)

Additional Comment: _____

Price Estimate (Unit Volume 1mL)

Price/mL (from Batch Pricing Schedule): A. _____ Batch Price
 Volume Wanted (mL): B. _____ (A x B): _____

Packaging Quantity: _____ mL

Quality Control Testing

Gravimetric Assurance only:	no charge	Quality Control
Qualitative Testing:	\$175 _____	Testing Charge: _____
Quantitative Testing:	\$250 _____	Total Price: _____

Additional Action:

- Have someone contact me about quote before completing
- Place my name on the Supelco mail list
- Send a Supelco general catalog
- Send _____ additional copies of this publication (T196905)

FAX completed form to Supelco's Custom Standards Group (814-359-5750).

Quote will be verified and confirmed by FAX.

When ordering, please use quote number we provide in our reply.

Ordering Information:

Glass Magnet™ Sheet Prevents Accidents



9950180

Our *Glass Magnet Sheet* prevents your glass apparatus from being knocked over accidentally. This 2' x 2' sheet (61 cm x 61 cm), with its tacky surface, effectively secures the vessels in place. It can be cut with a razor blade or utility knife to fit strategically on counter tops or in drawers containing fragile glassware. Or, line it on carts transporting glass to another lab or into the field.

The *Glass Magnet Sheet* exhibits remarkable holding ability. The "magnetic" material is a tacky mat that anchors glass vessels temporarily to any dry, smooth surface. Simply press the magnet to the work surface, and then place glassware firmly on the magnet. Vessels can be easily removed from the magnet as well.

After repeated use, the original holding power of the magnet can be restored by washing it in cold running water and drying it with a lint-free towel.

Description	Cat. No.
Glass Magnet Sheet 2' x 2' sheet (61 x 61 cm)	57269

Glass Magnet Vial Holder



912-0420

The *Glass Magnet Vial Holder* helps prevent glass sample vials, ampuls, and other vessels in your laboratory from being accidentally tipped over. Made with a tacky material that anchors glass vessels temporarily to any dry, smooth surface, the magnet is effective in securing the vessels in place during cap removal, sample withdrawal, and other operations.

The *Glass Magnet Vial Holder* is easy to use. Simply press it to your work surface, then press the bottom of a dry glass vessel onto a smooth portion of the magnet. The vessel holds securely in place and can also be removed easily.

The original holding power can be retained by periodically rinsing the magnet in cold running water and drying it with a lint-free towel.

Description	Cat. No.
Glass Magnet Vial Holder, pk. of 2 Includes lint-free towel	57270

AmpSeal™ Standard Saver



913-0130

Why risk the integrity of your standard by transferring it to a vial? Our AmpSeal Standard Saver eliminates the need to transfer a standard from its ampul to another container. Just break the top off the ampul, carefully place the ampul into the holder base, place the septum on the ampul, and thread the cap onto the base. Your standard is ready to use or store. Holds the 2mL ampuls in which we package our 1mL standards.

An added benefit: the original label stays with the standard — eliminating the need to relabel the material and reducing the chance of errors.

Do not store ketones in the AmpSeal standard saver.

Opened standards should be re-evaluated before use.

Description	Cat. No.
AmpSeal Standard Saver 2mL (no septa)	23910

Ampul Breaker/Collar



913-0424

Safely removes the tops of the glass ampuls we package almost all Supelco chemical standards in. Simply insert the ampul in the breaker and snap the top off. Ampul top is retained in the collar for safe disposal.

Description	Cat. No.
For 1 to 4mL ampuls pk. of 100	Z12,2904-100EA
For 5 to 10mL ampuls pk. of 100	Z12,2890-100EA

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Supelco produces a wide variety of technical literature, all of which is free. You may request this literature several different ways:

- Use the business reply card located at the back of our catalog.
- Call our Ordering and Customer Service department (800-247-6628 or 814-359-3441).
- Use our ChromFAX™ service.

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ChromFAX is Supelco's automated digital data system, which allows you to instantly obtain technical literature any time of the day or night. Supelco technical bulletins, application notes, lab hints, and product specification sheets can be sent to your Fax machine.

1. To use ChromFAX you must dial from a touch-tone phone. If you do not have a touch-tone phone, call our Ordering and Customer Service department and we will fax the publication to you.
2. Have the phone number of your Fax machine ready, and dial **800-652-8069 or 814-359-5748**. Remember you must have the *complete* Fax number (011 + country/city code + Fax number) when you are calling from outside the US or Canada, otherwise the document cannot be transmitted.
3. When ChromFAX answers, follow the simple recorded instructions. Select the **ChromFAX number** of the document you want. Be certain you order documents by their ChromFAX numbers and NOT their literature numbers.
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