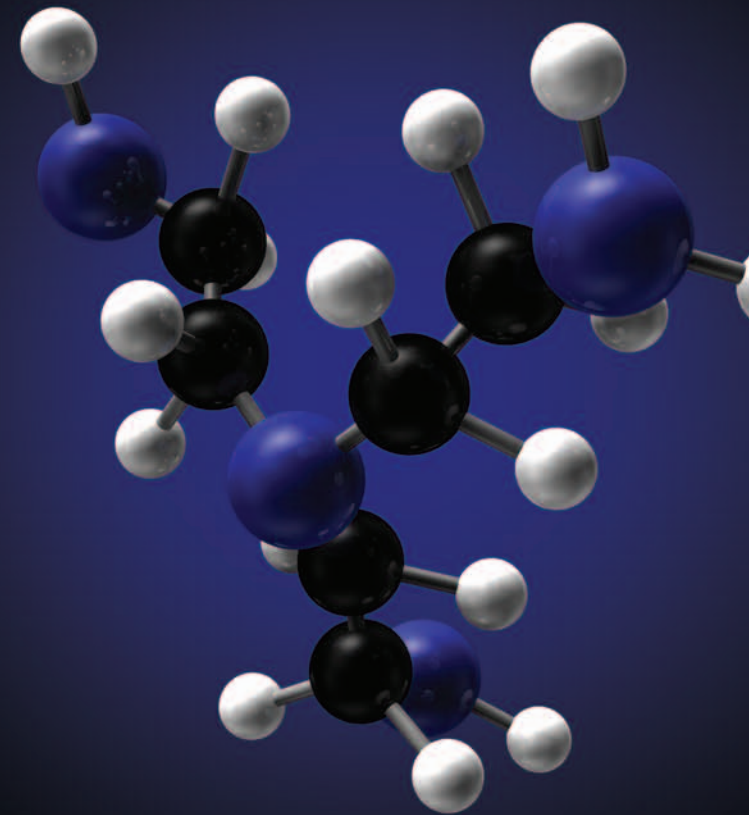


Pressure Chemical Company **Products**

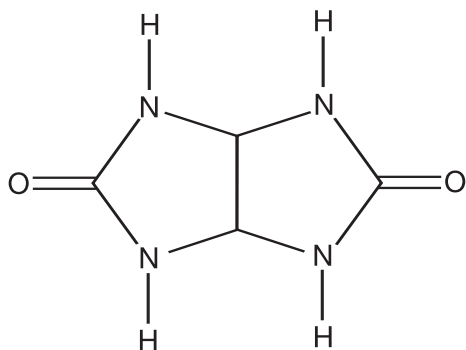




Specialty Products

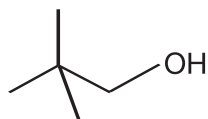
Pressure Chemical manufactures a variety of hard-to-find reagents and products for organic synthesis, including the following fine chemicals.

Acetylenediurene [496-46-8]



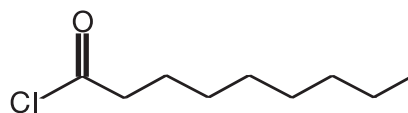
Acetylenediurene is used in the manufacture of crosslinking resins, flame retardants, and in fertilizer applications.

Neopentylalcohol [75-84-3]



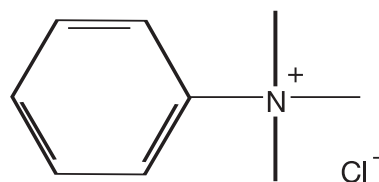
NPA is a very unique, solid alcohol. It is used in the production of sterically hindered esters, to prevent plugging in ink-jet cartridges, and to improve oxidative stability in some lubricants.

Perlargonyl chloride [764-85-2]



This acid chloride is used as a bleach activator, a plasticizer, and in the production of immunosuppressant drugs.

Phenyltrimethylammonium chloride [138-24-9]



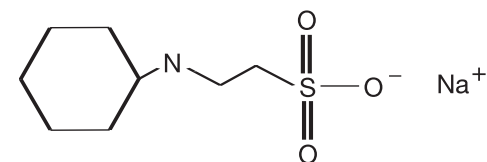
PTAC is a highly efficient phase transfer catalyst. It also finds use as a methylating agent, corrosion inhibitor, and in depolymerization applications.

Potassium hydride [7693-26-7]



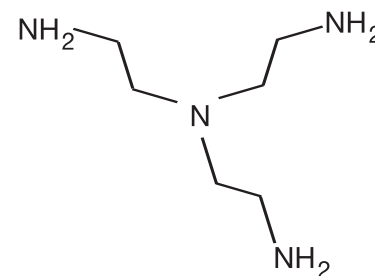
Much more reactive than either sodium or lithium hydride, KH is used in de-silylation applications, production of potassium enolates, and in the synthesis of indole propanoates.

Sodium cyclohexyltaurate [3076-05-9]



SCT is used in the personal care industry as an anionic surfactant, to improve coating characteristics in photographic film, and as a modifier for metal-selective membranes.

Tris-2-aminoethyl amine [4097-89-6]



This interesting triamine is used in the manufacture of textile dyes, in the manufacture of ligands for atom transfer radical polymerization, and in the production of tri-isocyanates.

Cholesteric liquid crystals

Pressure Chemical Company 412-682-5882

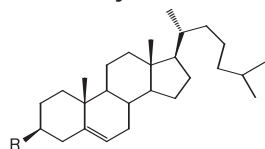
Cholesteric liquid crystals are organic compounds based on the natural product, cholesterol. These materials are capable of detecting small amounts of radiant energy and converting it into a visible representation by selective reflection of light. Specific colors are reflected when the wavelength is equal to the pitch length. Pitch length varies with temperature, therefore, the color of the reflected light varies with temperature. The many derivatives available from Pressure Chemical allow for phase change at various temperatures. Mixtures of the cholesterol derivatives can give sensing capability to devices over a wide temperature range.

The following compounds are manufactured routinely from high purity cholesterol and are available from stock:

Cholesterol [57-88-5]

R = OH

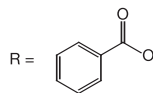
Cholesteryl derivatives



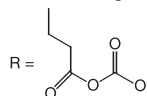
Cholesteryl acetate [604-35-3]



Cholesteryl benzoate [604-32-0]



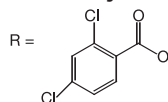
Cholesteryl butyrate [521-13-1]



Cholesteryl chloride [910-31-6]

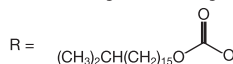
R = Cl

Cholesteryl 2,4-dichlorobenzoate [32832-01-2]



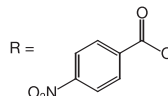
Cholesteryl 3,4-dichlorobenzoate [32834-71-2]

Cholesteryl isostearylcarbonate [127512-93-0]



Cholesteryl nonanoate [1182-66-7]

Cholesteryl p-nitrobenzoate [23838-12-2]



Cholesteryl oleate [303-43-5]



Cholesteryl oleylcarbonate [17110-51-9]



Cholesteryl propionate [633-31-8]

There are dozens of additional Cholesteric derivatives available by special order. Please inquire if you have a special compound in mind.

Cholesteryl butoxyphenylcarbonate

Cholesteryl caprate (decanoate) [1183-04-6]

Cholesteryl caproate (hexanoate) [1062-96-0]

Cholesteryl caprylate (octanoate) [1182-42-9]

Cholesteryl p-chlorobenzoate

Cholesteryl chloroformate [7144-08-3]

Cholesteryl p-chlorophenylacetate

Cholesteryl 3-chloropropionate

Cholesteryl cinnamate [1990-11-0]

Cholesteryl 3,5-dinitrobenzoate [25279-63-4]

Cholesteryl ethylcarbonate

Cholesteryl formate [4351-55-7]

Cholesteryl hemisuccinate

Cholesteryl isobutyrate

Cholesteryl isotridecylcarbonate

Cholesteryl laurate (dodecanoate)

Cholesteryl linoleate [604-33-1]

Cholesteryl linolenate [2545-22-4]

Cholesteryl methylcarbonate

Cholesteryl myristate (tetradecanoate) [1989-52-2]

Cholesteryl nitrate

Cholesteryl p-nonyloxybenzoate

Cholesteryl p-nonylphenylcarbonate [60474-62-6]

Cholesteryl palmitate [601-34-3]

Cholesteryl p-phenylbenzoate

Cholesteryl stearate [35602-69-8]

Cholesteryl trichloroacetate

Cholesteryl undecanoate

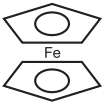
Dicholesteryl carbonate [29331-39-3]

Dicholesteryl sebacate



Ferrocenes

With applications ranging from asymmetric catalysis to magnetic materials, ferrocene is one of the most versatile building blocks in synthesis. Pressure offers a comprehensive list of ferrocene and derivatives, including the following:

Product	CAS#
Ferrocene 	[102-54-5]
Acetylferrocene	[1271-55-2]
n-Butylferrocene	[31904-29-7]
Catocene (2,2-Bis(ethylferrocenyl)propane) discontinued	

There are dozens of additional Ferrocene derivatives available by special order. Please inquire if you have a special compound in mind.

Rhenium products

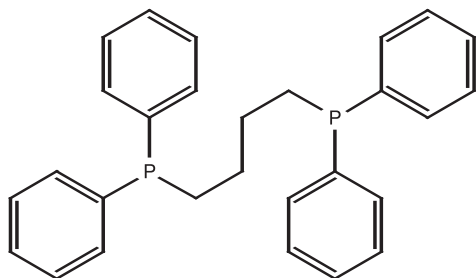
Rhenium organometallics and chlorides were some of Pressure's first products. We continue to offer high purity standard and customized products for your organometallic requirements.

Inquire for other Rhenium Compounds.

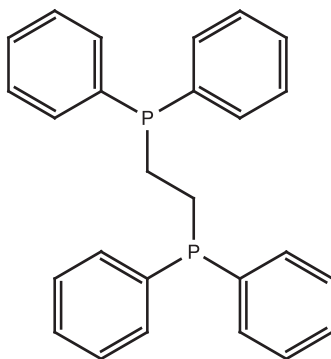
Product	Structure	CAS#
Rhenium Carbonyl	$\text{Re}_2(\text{CO})_{10}$	[14285-68-8]
Rhenium Pentachloride	ReCl_5	[13596-35-5]
Rhenium Trichloride	ReCl_3	[13569-63-6]
Rhenium Pentacarbonyl Chloride	$\text{Re}(\text{CO})_5\text{Cl}$	[14099-01-5]

Applications for Pressure's line of customized organophosphines include catalyst and ligand manufacture. In addition to the phosphines listed, we are able to provide quotes on hundreds of other phosphines, as required.

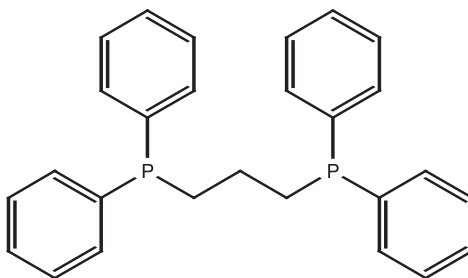
1,4-bis(diphenylphosphino)butane
[7688-25-7]



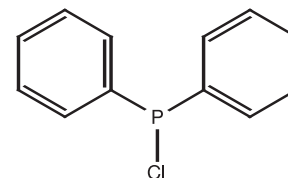
1,2-bis(diphenylphosphino)ethane
[1663-45-2]



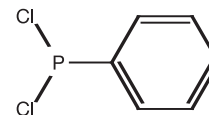
1,3-bis(diphenylphosphino)propane
[6737-42-4]



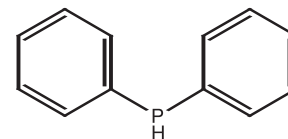
Chlorodiphenylphosphine [1079-66-9]



Dichlorophenylphosphine [644-97-3]



Diphenylphosphine [829-85-6]



Precious Metal Catalysts

Pressure Chemical Co. offers a wide variety of heterogeneous and homogeneous catalysts at some of the lowest pricing in the industry. Our philosophy in serving the catalyst market is to provide our customers with the best products, service and support. To assure you that our pricing is consistent with our philosophy, we adjust catalyst prices weekly based on current metal market pricing.

In able to assure traceability, each catalyst in the Pressure Chemical System is meticulously lot controlled.

Item #	Catalyst	Metal %
1730	Palladium (II) acetate trimer	47%
1735	Palladium (II) chloride	60%
1750	Sodium tetrachloropalladate (II)	37%
1755	Tetrakis(triphenylphosphine) palladium (0)	9%
2725	Dihydrogen hexachloroplatinate (IV)	40%
2730	Platinum (II) chloride	73%
2735	Platinum (IV) chloride	58%
2740	Potassium tetrachloroplatinate (II)	47%
3727	Chloro(1,5-cyclooctadiene) rhodium (I) dimer	42%
3730	Chlorotris(triphenylphosphine) rhodium (I)	11%
3745	Rhodium (II) acetate dimer	47%
3750	Rhodium (III) chloride hydrate	40%
4750	Ruthenium (III) chloride trihydrate	43%
5730	Iridium (III) chloride hydrate	52%
6720	Osmium (VIII) tetroxide	75%
4-051	Rhenium Carbonyl $\text{Re}_2(\text{CO})_{10}$	57%

Item #	Metal	Support	Type	Metal %
1120	Palladium	Carbon Powder	UR900W	5%
1130	Palladium	Carbon Powder	ER900W	5%
1170	Palladium	Carbon Powder	UR900W	10%
1220	Palladium	Alumina Powder	ER300D	5%
2120	Platinum	Carbon Powder	R900W	5%
2220	Platinum	Alumina Powder	R300D	5%
4120	Ruthenium	Carbon Powder	R900W	5%
4240	Ruthenium	Alumina Powder	R100W	5%

Polymer Standards

Pressure Chemical Company 412-682-5882

Since 1965 Pressure has been providing a broad range of polymers for calibration and research. Our narrow molecular weight standards have been fully characterized by GPC, light scattering, and NMR, where applicable. In addition to individual standards, we also offer kits designed for calibration curves.

25322-68-3 POLYETHYLENE GLYCOL

ITEM	MW	MW/MN
PEG106	106	1
PEG200	229	1.11
PEG300	331	1.08
PEG400	445	1.07
PEG600	629	1.1
PEG1000	1,030	1.05
PEG1450	1,489	1.05
PEG3600	3,662	1.1
PEG5000	5,160	1.04
PEG11000	10,890	1.19
PEG14000	19,683	1.34

9011-14-7 POLYMETHYLMETHACRYLATE

ITEM	MW	MW/MN
PM8-1	254,700	1.15
PM8-3	387,000	1.14
PM5-10	410,400	1.14
PM8-4	550,000	1.04
PM8-6	1,145,200	1.06

25014-31-7 POLYALPHAMETHYLSTYRENE

ITEM	MW	MW/MN
PAMS14	31,200	1.2
PAMS8	61,500	1.05
PAMS132000	123,800	1.04
PAMS50920	289,000	1.09
PAMS6	425,000	1.1
PAMS17	641,000	1.08
PAMS50912	1,055,000	1.09
PAMS16	1,420,000	1.18
PAMS70122	3,160,000	1.18
PAMS15	PHENYL TERM	

9002-88-4 POLYETHYLENE

ITEM	MW	MW/MN
PE540	540	1.09
PE750	750	1.18
PE1110	1,110	1.2
PE2100	2,100	1.15
PE5AF	27,700	2
PE7AF	35,700	4.22
PE8AC	41,700	3.7

9003-53-6 POLYSTYRENE

ITEM	MW	MW/MN
PS51110	800	1.2
PS40717	906	1.11
PS31019	1,241	1.07
PS40627	1,300	1.06
PS50211	1,470	1.1
PS31116	1,681	1.06
PS50110	2,032	1.06
PS12C	2,200	1.06
PS61223	2,500	1.1
PS61213	3,350	1.1
PS30525	4,000	1.06
PS50131	5,200	1.06
PS50828	5,780	1.05
PS30420	13,000	1.06
PS30811	25,000	1.06
PS80317	30,000	1.06
PS30908	50,000	1.06
PS61210	65,000	1.06
PS40915	123,000	1.08
PS50903	152,000	1.06
PS30126	170,000	1.06
PS50912	200,000	1.06
PS70114	290,000	1.06
PS00507	400,000	1.06
PS61120	650,000	1.06
PS6B	700,000	1.26
PS80323	900,000	1.1
PS61111	2,000,000	1.3



Pressure Chemical Co.

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