

Chemical List of Peroxide Formers

The following are examples of the materials commonly used in laboratories that may form explosive peroxides. Note that Class III peroxide formers must be used within 3 months of receipt: Note: This table is not all inclusive. Please see the document for Peroxide-forming Materials on the Risk Management and Safety website.

Group A: Forms without concentration

Group B: Forms on concentration

Group C: May autopolymerize

Isopropyl ether	Acetal	Acrylic acid
Butadiene	Cumene	Butadiene
Chlorobutadiene (chloroprene)	Cyclohexene	Chlorotrifluoroethylene
Potassium amide	Cyclooctene	Ethyl acrylate
Potassium metal	Diacetylene	Methyl methacrylate
Sodium amide (sodamide)	Dicyclopentadiene	Styrene
Tetrafluoroethylene	Diethylene glycol dimethyl ether	Vinyl acetate
Divinyl acetylene	Diethyl ether	Vinyl chloride
Vinylidene chloride	Tetrahydronaphthalene	Vinyl pyridine
	Dioxane	
	Ethylene glycol dimethyl ether	
	Furan	
	Cyclopentene	
	Methyl acetylene	
	Methyl cyclopentane	
	Methyl-isobutyl ketone	
	Tetrahydrofuran	
	Vinyl ethers	

