

Table 12
Partial List of Oxidizers

Increase Rate of Combustion	
Aluminum nitrate	Perchloric acid 60% or less
Ammonium persulfate	Potassium chlorate
Barium chlorate	Potassium dichromate
Barium peroxide	Potassium nitrate
Calcium chlorate	Potassium persulfate
Calcium nitrate	Silver nitrate
Calcium peroxide	Silver nitrite
Cupric nitrate	Sodium perborate
Hydrogen peroxide	Sodium perchlorate
Lead nitrate	Sodium persulfate
Lithium hypochlorite	Strontium chlorate
Lithium peroxide	Strontium nitrate
Magnesium nitrate	Strontium nitrite
Magnesium perchlorate	Thorium nitrite
Magnesium peroxide	Uranium nitrate
Nickel nitrate	Zinc chlorate
Nitric acid 70% or less	Zinc peroxide
Cause Spontaneous Ignition	
Calcium hypochlorite	Sodium chlorite (>40%)
Chromic acid	Sodium peroxide
Hydrogen peroxide (27.5-52%)	Sodium permanganate
Nitric acid	Trichloroisocyanuric acid
Potassium bromate	Sodium dichloroisocyanurate
Potassium permanganate	
Decompose with Catalyst or Heat	
Ammonium dichromate	Perchloric acid (60-72.5%)
Hydrogen peroxide (52-91%)	Potassium dichloroisocyanurate
Calcium hypochlorite (>50%)	Sodium dichloroisocyanurate
Cause Explosive Reaction when exposed to Catalyst, Heat, Shock, or Friction	
Ammonium perchlorate	Perchloric acid
Ammonium permanganate	Potassium superoxide