

# OXIDIZERS

**TABLE 1 - Common Oxidizing Groups**

<b>Chemical Group</b>	<b>Chemical Formula</b>
peroxides	O <sub>2</sub> -2
nitrates	NO <sub>3</sub> -
nitrites	NO <sub>2</sub> -
perchlorates	ClO <sub>4</sub> -
chlorates	ClO <sub>3</sub> -
chlorites	ClO <sub>2</sub> -
hypochlorites	ClO-
dichromates	Cr <sub>2</sub> O <sub>7</sub> -2
permanganates	MnO <sub>4</sub> -
persulfates	S <sub>2</sub> O <sub>8</sub> -2

**COMMON LABORATORY OXIDIZERS**

<b>COMPOUND</b>	<b>CAS</b>
acetyl peroxide	110-22-5
acetyl benzoyl peroxide	644-31-5
aluminum nitrate	13473-90-0
ammonium dichromate	7789-09-5
ammonium perchlorate	7790-98-9
ammonium permanganate	13446-10-1
ammonium persulfate	7727-54-0
amyl nitrate	1002-16-0
barium chlorate	13477-00-4
barium nitrate	10022-31-8
barium peroxide	1304-29-6
benzoyl peroxide	94-36-0
bromine trifluoride	7787-71-5
butyl hyperperoxide	
butyl perbenzoate	614-45-9
calcium chlorate	10043-52-4
calcium hypochlorite	7778-54-3
calcium nitrate	10124-37-5
calcium peroxide	1305-79-9
chlorosulfonic acid	7790-94-5
chromium anhydride	1333-82-0

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chromium trioxide (chromic acid)	1333-82-0
cobaltous nitrate	10141-05-6
cumene hyperperoxide	
cupric nitrate	3251-23-8
dibutyl peroxide	110-05-4
dichloro-s-triazinetrione	51580-86-0
dicumyl peroxide	80-43-3
diisopropylbenzene hyperperoxide	
ferric nitrate	10421-48-4
guanidine nitrate	506-93-4
halane	118-52-5
hydrogen peroxide	7722-84-1
iodine peroxide	
isopropyl percarbonate	105-64-6
lead nitrate	10099-74-8
lithium hypochlorite	13840-33-0
lithium peroxide	12031-80-0
magnesium nitrate	10377-60-3
magnesium perchlorate	10034-81-8
magnesium peroxide	1335-26-8
methyl ethyl ketone peroxide	1338-23-4
nickel nitrate	13138-45-9
nitric acid	7697-37-2
peracetic acid	79-21-0
perchloric acid (<60% concen.)	100-51-6
perchloric acid (60-72.5% conc.)	7601-90-3
peroxyacetic acid	79-21-0
potassium bromate	7758-01-2
potassium chlorate	3811-04-9
potassium dichloroisocyanurate	2244-21-5
potassium dichromate	7778-50-9
potassium nitrate	7757-79-1
potassium permanganate	7722-64-7
potassium persulfate	7727-21-1
potassium superoxide	12030-88-5
propyl nitrate	627-13-4
silver nitrate	7761-88-8
sodium carbonate peroxide	15630-89-4
sodium chlorate	7775-09-9

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sodium chlorite	7758-19-2
sodium dichloro-s-triazinetrione	2893-78-9
sodium dichromate	10588-01-9
sodium nitrate	7631-99-4
sodium nitrite	7632-00-0
sodium perborate	7632-04-4
sodium perchlorate monohydrate	7791-07-3
sodium permanganate	10101-50-5
sodium peroxide	1313-60-6
sodium persulfate	7775-27-1
strontium chlorate	7791-10-8
strontium nitrate	10042-76-9
strontium peroxide	1314-18-7
trichloro-s-triazinetrione	87-90-1
zinc chlorate	10361-95-2
zinc peroxide	1314-22-3