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General Services



	Class A	Class B	Class C	Class D
Date Opened	3 Months	6 Months	6 Months	Only if peroxide crystals are present.
Date Received	1 Year	1 Year	1 Year	



The list below gives examples of peroxide-forming materials by Class. Materials listed are samples of Class A, B, C and D peroxide-forming materials, but are not all-inclusive.

Spontaneously Decompose and become explosive with exposure to air without concentration.

- | | |
|------------------------------|--------------------------------------|
| Butadiene (liquid monomer) | Tetrafluoroethylene (liquid monomer) |
| Isopropyl ether | Divinyl acetylene |
| Sodium amide (sodamide) | Potassium metal |
| Chloroprene (liquid monomer) | Vinylidene chloride |
| Potassium amide | |

Require external energy for spontaneous decomposition. Form explosive peroxides when distilled, evaporated or otherwise concentrated.

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|--|--------------------------|
| Acetal | Methyl isobutyl ketone |
| Acetaldehyde | Methylacetylene |
| Acrylonitrile | Methylcyclopentane |
| Benzyl alcohol | Methyl methacrylate |
| Cumene | Other secondary alcohols |
| Cyclohexanol | Tetrahydrofuran |
| Chlorotrifluoroethylene | Tetrahydronaphthalene |
| Chloroprene | Vinyl ethers |
| Cyclohexene | 1-Phenylethanol |
| Decahydronaphthalene | 2-Butanol |
| Diacetylene | 2-Cyclohexen-1-ol |
| Dicyclopentadiene | 2-Hexanol |
| Diethyl ether | 2-Pentanol |
| Diethylene glycol dimethyl ether (diglyme) | 2-Phenylethanol |
| Dioxanes | 3-Methyl-1-butanol |
| Ethylene glycol dimethyl ether (glyme) | 4-Heptanol |
| Furan | 4-Methyl-2-pentanol |
| | 4-Penten-1-ol |

Highly reactive and can auto-polymerize as a result of internal peroxide accumulation. The peroxides formed in these reactions are extremely shock and heat sensitive.

- | | |
|-------------------------|----------------------|
| Acrylic acid | Acrylonitrile |
| Chlorotrifluoroethylene | Methyl methacrylate |
| Vinyl acetate | Vinylacetylene (gas) |

