

NFPA 70 NEC Hazardous Locations Classes, Divisions and Groups

Class	Division	Group
<p>Class I - Flammable gases or vapors may be present</p>	<p>Div 1 - Ignitable concentrations of hazards exist under normal operation conditions and/or where the hazard is caused by frequent maintenance or repair work or frequent equipment failure Div 2 - Ignitable concentrations of hazards exist under abnormal operation conditions</p>	<p>Group A - Acetylene Group B - Hydrogen, butadiene, ethylene oxide, propylene oxide and acrolein Group C - Ethylene, cyclopropane and ethyl ether Group D - Acetone, ammonia, benzene, butane, ethanol, gasoline, hexane, methane, methanol, naphtha, natural gas, propane and toluene</p>
<p>Class II - Combustible dust may be present</p>	<p>Div 1 - Ignitable concentrations of hazards exist under normal operation conditions and/or where the hazard is caused by frequent maintenance or repair work or frequent equipment failure Div 2 - Ignitable concentrations of hazards exist under abnormal operation conditions</p>	<p>Group E - Combustible metal dusts: aluminum, commercial alloys and magnesium Group F - Combustible carbonaceous dusts: carbon black, charcoal, coal and coke dusts Group G - Other combustible dusts: Chemicals, flour, grain, plastic and wood</p>
<p>Class III - Easily ignitable fibers or flyings may be present</p>	<p>Div 1 - Ignitable concentrations of hazards exist under normal operation conditions and/or where the hazard is caused by frequent maintenance or repair work or frequent equipment failure Div 2 - Ignitable concentrations of hazards exist under abnormal operation conditions</p>	<p>Not Applicable</p>