

# HAZARDOUS LOCATION CLASSIFICATION CHART



CLASS			DIVISION		GROUP
Class	Hazardous Material in Surrounding Atmosphere	Division	Presence of Hazardous Materials	Group	Hazardous Material in Surrounding Atmosphere
I	Flammable vapors or gases may be present	1	Ignitable concentrations of hazard exists under normal operating conditions	A	Acetylene
				B	Hydrogen, butadiene, ethylene oxide, propylene oxide and acrolein
				C	Ethylene, cyclopropane and ethyl ether
		2	Ignitable concentrations of hazards exist only under accidental system breakdowns or abnormal operating conditions	D	Acetone, ammonia, benzene, butane, ethanol, gasoline, hexane, methane, methanol, methane, naphtha, natural gas, propane & toluene
II	Combustible dust may be present	1	Ignitable concentrations of hazard exists under normal operating conditions	E	Combustible metal dusts: aluminum, commercial alloys and magnesium
		2	Ignitable concentrations of hazards exist only under accidental system breakdowns or abnormal operating conditions	F	Combustible carbonaceous dusts: carbon black, charcoal, coal and coke dusts
III	Easily ignitable flyings or fibers may be present	1	Ignitable concentrations of hazard exists under normal operating conditions	G	Other combustible dusts: Chemicals, flour, grain, plastic and wood
		2	Ignitable concentrations of hazards exist only under accidental system breakdowns or abnormal operating conditions		Not Applicable