

## HAZARDOUS MATERIALS INVENTORY ROUTING FORM

Fill out the forms for the materials stored, used or handled at your site by indicating **yes** or **no** in each area provided. These forms in their entirety shall be submitted with each permit application when appropriate. Having permit amounts requires a permit for the operation. The exempt amounts are for use in the routing of those permits.

### PHYSICAL HAZARDS

| MATERIAL  | CLASS   | DESCRIPTION   | PERMIT AMOUNTS                                 | EXEMPT AMOUNTS STORAGE | EXEMPT AMOUNTS USE CLOSED – vapors are not liberated | EXEMPT AMOUNTS USE OPEN – vapors are liberated | HAVE AMOUNTS THAT REQUIRE A PERMIT?                         | HAVE ABOVE EXEMPT AMOUNTS?                                  |
|---|---|---|--|------------------------|--|--|---|---|
| COMBUSTIBLE LIQUIDS                                 | II  | Class II liquids include those having flash points at or above 100°F and below 140°F.                   | > 25 gallons inside or<br>> 60 gallons outside | 120 gallons            | 120 gallons  | 30 gallons                                     | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| COMBUSTIBLE LIQUIDS                                 | IIIA  | Class IIIA liquids include those having flash points at or above 140°F and below 200°F.                 | > 25 gallons inside or<br>> 60 gallons outside | 330 gallons            | 330 gallons  | 80 gallons                                     | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| COMBUSTIBLE LIQUIDS                                 | IIIB  | Class IIIB liquids include those liquids having flash points at or above 200°F.                         | Only - Tanks or Vessels > 60 gallons           | 13,200 gallons         | 13,200 gallons                                       | 3,300 gallons                                  | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| FLAMMABLE LIQUIDS                                   | IA  | Class IA liquids include those having flash points below 73°F and having a boiling point below 100°F.   | > 5 gallons inside or<br>> 10 gallons outside  | 30 gallons             | 30 gallons   | 10 gallons                                     | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| FLAMMABLE LIQUIDS                                   | IB  | Class IB liquids include those having flash points less than 73°F and boiling points at or above 100°F. | > 5 gallons inside or<br>> 10 gallons outside  | 60 gallons             | 60 gallons   | 15 gallons                                     | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| FLAMMABLE LIQUIDS                                   | IC  | Class IC liquids include those having flash points at or above 73°F and below 100°F.                    | > 5 gallons inside or<br>> 10 gallons outside  | 90 gallons             | 90 gallons   | 20 gallons                                     | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| COMBINATION FLAMMABLE LIQUIDS                       | (IA,IB,IC)  | Mixture of storage or use of more than one of these materials.  | > 5 gallons inside or<br>> 10 gallons outside  | 120 gallons            | 120 gallons  | 30 gallons                                     | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| CRYOGENIC, FLAMMABLE (Flammable in its vapor state) | Definition: A liquid having a boiling point lower than -150°F at 14.7 (psia). | Examples: carbon monoxide, deuterium (heavy hydrogen), ethylene, hydrogen and methane.                  | > 1 gallon inside or<br>> 60 gallons outside   | 45 gallons             | 45 gallons   | 10 gallons                                     | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| CRYOGENIC Inert                                     |   |   | > 60 gallons inside or<br>500 gallons outside  | Not Limited            | Not Limited  | Not Limited                                    | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | Not Limited   |

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|---|---|--|---|---------------------------|--|--|---|---|
| CRYOGENIC, OXIDIZING<br>(Can support or accelerate combustion of other materials) | Definition: A liquid having a boiling point lower than -150°F at 14.7 (psia).   | Examples: fluorine, nitric oxide and oxygen.   | > 10 gallons inside or > 50 gallons outside | 45 gallons                | 45 gallons   | 10 gallons                                     | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| CRYOGENIC<br>Physical or Health Hazard  |   |  | Any Amount - inside or outside              | Not Limited               | Not Limited  | Not Limited                                    | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | Not Limited   |
| EXPLOSIVES  | Examples: dynamite, black powder, pellet powder, initiating explosives, detonators,   | safety fuses, squibs, detonating cord, igniter cord, igniters and display fireworks, 1.3G (Class B, Special)   | Any amount.                                 | 1 pound (liquid or solid) | 0.25 pounds (liquid or solid)                        | 0.25 pounds (liquid or solid)                  | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| FLAMMABLE GAS   | <b>Gaseous</b><br>Def: A material which is a gas at 68°F or less at 14.7 psia of pressure which:<br>1. Is ignitable at 14.7 psia when in a  | mixture of 13 % or less by volume with air; or<br>2. Has a flammable range at 14.7 psia with air of at least 12 %, regardless of the lower limit.      | > 200 cubic feet at NTP                     | 1000 cubic feet           | 1000 cubic feet                                      | N/A  | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| FLAMMABLE GAS   | <b>Liquefied</b><br>Def: A liquefied compressed gas which, under a charged pressure,  | is partially liquid at a temperature of 68°F and which is flammable.   | > 200 cubic feet at NTP                     | 30 pounds                 | 30 pounds  | N/A  | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| FLAMMABLE SOLID   | Def: A solid, other than a blasting agent or explosive, that is capable of causing fire through friction, absorption or moisture, spontaneous chemical change, or retained heat from manufacturing or | processing, or which has an ignition temperature below 212°F or which burns so vigorously and persistently when ignited as to create a serious hazard. | > 100 pounds                                | 125 pounds                | 125 pounds   | 25 pounds                                      | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| ORGANIC PEROXIDE  | UNCLASSIFIED<br>DETONABLE   | Def: Are capable of detonation. These peroxides pose an extremely high explosion hazard through rapid explosive decomposition.                         | Any amount.                                 | 1 pound (liquid or solid) | 0.25 pounds (liquid or solid)                        | 0.25 pounds (liquid or solid)                  | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |

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|------------------|-------------------|---|--|--|--|--|---|---|
| ORGANIC PEROXIDE | I                 | Def: Those formulations that are capable of deflagration but not detonation.  | Any amount.                                | 5 pounds (liquid or solid)                       | 1 pound (liquid or solid)                            | 1 pound (liquid or solid)                      | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| ORGANIC PEROXIDE | II                | Def: Those formulations that burn very rapidly and that pose a moderate reactivity hazard.  | Any amount.                                | 50 pounds (liquid or solid)                      | 50 pounds (liquid or solid)                          | 10 pounds (liquid or solid)                    | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| ORGANIC PEROXIDE | III               | Def: Those formulations that burn rapidly and that pose a moderate reactivity hazard.   | > 1 gallon liquid or 10 pounds solid       | 125 pounds (liquid or solid)                     | 125 pounds (liquid or solid)                         | 25 pounds (liquid or solid)                    | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| ORGANIC PEROXIDE | IV                | Def: Burn in same manner as ordinary combustibles with minimum reactivity hazard.   | > 2 gallons liquid or 20 pounds solid      | Not Limited                                      | Not Limited  | Not Limited                                    | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | Not Limited   |
| OXIDIZER         | 4                 | Def: An oxidizer that can undergo an explosive reaction due to contamination or exposure to thermal or physical shock.<br><br>In addition, the oxidizer will enhance the burning rate and cause spontaneous ignition of combustibles. | Any amount.                                | 1 pound (liquid or solid)                        | 0.25 pounds (liquid or solid)                        | 0.25 pounds (liquid or solid)                  | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| OXIDIZER         | 3                 | Def: An oxidizer that will cause a severe increase in the burning rate of combustible materials with which it comes in contact or that will undergo vigorous self-sustained decomposition due to contamination or exposure to heat.   | > 1 gallon liquid or 10 pounds solid       | 10 pounds (liquid or solid)                      | 2 pounds (liquid or solid)                           | 2 pounds (liquid or solid)                     | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| OXIDIZER         | 2                 | Def: An oxidizer that will cause a moderate increase in the burning rate or that causes spontaneous ignition of combustible materials with which it comes in contact.   | > 10 gallons liquid or 100 pounds solid    | 250 pounds (liquid or solid)                     | 250 pounds (liquid or solid)                         | 50 pounds (liquid or solid)                    | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| OXIDIZER         | 1                 | Def: An oxidizer whose primary hazard is that it slightly increases the burning rate but which does not cause spontaneous ignition when it comes in contact with combustible material.  | > 55 gallons liquid or 500 pounds of solid | 4,000 pounds (liquid or solid)                   | 4,000 pounds (liquid or solid)                       | 1,000 pounds (liquid or solid)                 | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| OXIDIZING GAS    | GASEOUS LIQUIFIED | Def: A gas that can support and accelerate combustion of other materials.   | > 504 cubic feet at NTP                    | 15 gallons liquid or 1,500 cubic feet gas        | 15 gallons liquid or 1,500 cubic feet gas            | N/A  | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| PYROPHORIC       | N/A               | Def: A chemical with an autoignition temperature in air, at or below a temperature of 130°F.  | Any amount.                                | 4 pounds (liquid or solid) and 50 cubic feet gas | 1 pound (liquid or solid) and 10 cubic feet gas      | 0  | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |

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|---------------------|---|--|--|--|--|--|---|---|
| UNSTABLE (REACTIVE) | 4 – This class includes materials that are sensitive to mechanical or localized thermal shock at normal temperature and pressures.  | Def: A material, other than an explosive, which in the pure state or as commercially produced, will vigorously polymerize, decompose, condense or become self-reactive and undergo other violent chemical changes, including explosion, when | Any amount.  | 1 pound (liquid or solid) and 10 cubic feet gas    | 0.25 pounds (liquid or solid) and 2 cubic feet gas   | 0.25 pounds (liquid or solid)                  | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| UNSTABLE (REACTIVE) | 3 – This class includes materials that are sensitive to thermal or mechanical shock at elevated temperatures and pressures.   | Exposed to heat, friction or shock, or in the absence of an inhibitor, or in the presence of contaminants, or in contact with incompatible materials.  | Any amount.  | 5 pounds (liquid or solid) and 50 cubic feet gas   | 1 pound (liquid or solid) and 10 cubic feet gas      | 1 pound (liquid or solid)                      | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| UNSTABLE (REACTIVE) | 2- This class includes materials that can undergo chemical change with rapid release of energy at normal temperatures and pressures, and that can undergo violent chemical change at elevated temperatures and pressures. |  | > 5 gallons liquid or 50 pounds solid and Any amount gas | 50 pounds (liquid or solid) and 250 cubic feet gas | 50 pounds (liquid or solid) and 250 cubic feet gas   | 10 pounds (liquid or solid)                    | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| UNSTABLE (REACTIVE) | 1 – Materials that in themselves are normally stable but which become unstable at elevated temperatures and pressure.   |  | > 10 gallons liquid or 100 pounds solid                  | Not Limited  | Not Limited  | Not Limited                                    | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | Not Limited   |
| WATER REACTIVE      | 3 – Materials that react explosively with water without requiring heat or confinement.  | Def: A material that explodes; violently reacts; produces flammable, toxic or other hazardous gases; or evolves enough heat to cause self-ignition or ignition of nearby combustibles upon exposure to water or moisture.                    | Any amount.  | 5 pounds (liquid or solid)                         | 5 pounds (liquid or solid)                           | 1 pound (liquid or solid)                      | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| WATER REACTIVE      | 2 – Materials that may form potentially explosive mixtures with water.  |  | > 5 gallons liquid or 50 pounds solid                    | 50 pounds (liquid or solid)                        | 50 pounds (liquid or solid)                          | 10 pounds (liquid or solid)                    | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| WATER REACTIVE      | 1 – Materials that may react with water with some release of energy, but not violently.   |  | > 55 gallons liquid or 500 pounds solid                  | Not Limited  | Not Limited  | Not Limited                                    | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | Not Limited   |

**HAZARDOUS MATERIALS INVENTORY ROUTING FORM**

**HEALTH HAZARDS**

| MATERIAL     | CLASS | DESCRIPTION  | PERMIT AMOUNTS  | EXEMPT AMOUNTS STORAGE   | EXEMPT AMOUNTS USE CLOSED – vapors are not liberated           | EXEMPT AMOUNTS USE OPEN – vapors are liberated | HAVE AMOUNTS THAT REQUIRE A PERMIT?                         | HAVE ABOVE EXEMPT AMOUNTS?                                  |
|--------------|-------|--|---|--|--|--|---|---|
| CORROSIVE    | N/A   | Def: A chemical that causes visible destruction of, or irreversible alterations in, living tissue by chemical action at the point of contact.        | > 55 gallons liquid or 1000 pounds solid<br>200 cubic feet gas at NTP | 5,000 pounds solid, 500 gallons liquid, and 810 cubic feet gas | 5,000 pounds solid, 500 gallons liquid, and 810 cubic feet gas | 1,000 pounds solid or 100 gallons liquid       | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| HIGHLY TOXIC | N/A   | Def: A material which produces a lethal dose or lethal concentration.<br><b>Lethal dose or concentrations established in accordance with CFR 29.</b> | Any amount.   | 10 pounds (liquid or solid) or 20 cubic feet gas               | 10 pounds (liquid or solid) 20 cubic feet gas                  | 3 pounds (liquid or solid)                     | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| TOXIC        | N/A   | Def: A material which produces lethal dose or a lethal concentration.<br><b>Lethal dose or concentrations established in accordance with CFR 29.</b> | > 10 gallons liquid or 100 pounds solid and any amount gas            | 500 pounds (liquid or solid) or 810 cubic feet gas             | 500 pounds (liquid or solid) or 810 cubic feet gas             | 125 pounds (liquid or solid)                   | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |

**MATERIALS OR OPERATIONS REQUIRING SPECIAL HANDLING**

| MATERIAL           | CLASS  | DESCRIPTION  | PERMIT AMOUNTS             | REQUIRES SPECIALTY INSPECTION   | HAVE AMOUNTS THAT REQUIRE A PERMIT?                         | HAVE AMOUNTS THAT REQUIRE SPECIALTY INSPECTION?             |
|--------------------|--|--|----------------------------|---|---|---|
| AEROSOL PRODUCTS   | <b>LEVEL 2 OR LEVEL 3</b><br>Def: Level 2 - aerosol products are those with a total chemical heat of combustion that is greater than 8,600 Btu/lb., but less | than or equal to 13,000 Btu/lb.<br>Level 3 - those with a total chemical heat of combustion that is greater than 13,000 Btu/lb.      | > 500 lbs. Net Weight      | Amounts exceeding:<br>2,500 lbs. – Level 2<br>1,000 lbs. – Level 3<br>2,500 lbs. Of Level 2 and 3 | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| COMBUSTIBLE FIBERS | <b>LOOSE BALED</b><br>Def: Combustible fibers include readily ignitable and free burning fibers such as cocoa fiber, cloth, cotton,                          | excelsior, hat, hemp, henequen, istle, jute, kapok Oakum, rags, sisal, Spanish moss, straw, tow, wastepaper or other like materials. | > than 100 cubic feet      | > 100 cubic feet loose and > than 1,000 cubic feet baled  | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| MAGNESIUM          | <b>OPERATION</b><br>To melt, cast, heat-treat or grind more than 10 pounds.  | Def: The pure metal and alloys, of which the major part is magnesium.  | Operation with > 10 pounds | > 125 pounds storage<br>> 25 pounds in open use (dust or powder produced)                         | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |

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| MATERIAL           | CLASS   | DESCRIPTION   | PERMIT AMOUNTS   | REQUIRES SPECIALTY INSPECTION  | HAVE AMOUNTS THAT REQUIRE A PERMIT?                         | HAVE AMOUNTS THAT REQUIRE SPECIALTY INSPECTION?             |
|--------------------|---|---|--|--|---|---|
| ORGANIC COATINGS   | PRODUCTION<br>More than one gallon of an organic coating in one day.  | Def: A liquid mixture of binders such as alkyd, nitrocellulose, acrylic or oil, and flammable and combustible solvents such as hydrocarbon, ester, ketone or alcohol, which, when spread in a thin film, convert to a durable protective and decorative finish. | Production > 1 gallon in a day                                   | All Organic Coating Manufacture  | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |
| PYROXYLIN PLASTICS | OPERATION<br>Storage or handling of more than 25 pounds of cellulose nitrate (pyroxylin) plastics and any assembly or manufacture of articles involving pyroxylin plastics. | Def: Plastic substances, materials or compounds with cellulose nitrate as a base, by whatever name known, in the form of blocks, sheets, tubes or fabricated shapes.  | Storage or handling > 25 pounds and any assembly or manufacture. | > 125 pounds storage or > 25 pounds with operations that produce dusts, powders, shavings, chips, turnings, etc. | NO <input type="checkbox"/><br>YES <input type="checkbox"/> | NO <input type="checkbox"/><br>YES <input type="checkbox"/> |

I have filled out the information on this form to the best of my knowledge for the referenced location in accordance with how I intend to occupy the same.

Address \_\_\_\_\_

Responsible Party \_\_\_\_\_ Title or Affiliation \_\_\_\_\_  
 (Print name legibly) (Please print legibly)

Responsible Party Signature \_\_\_\_\_ Date \_\_\_\_\_

DEPARTMENTAL USE ONLY

PROJECT NUMBER \_\_\_\_\_

ROUTING INFORMATION: HAZMAT INSPECTIONS YES  NO