

Clyde Dept. of Fire-Rescue Services
Central Station
15 Ford Street
Clyde, NY 14433 (315) 923-7667

Village of Clyde / Town of Galen
Code Enforcement Office
6 South Park Street
Clyde, NY 14433 (315) 923-3971

Hazardous Materials Notification Form

SEE PAGE 4 FOR INSTRUCTIONS

The information entered herein is essential to your local fire chief and code enforcement officer, for the protection of your employees, firefighters and citizens in the immediate area, and to reduce damage to your property and the environment in the event of a fire, spill, or other emergency.

Revised 4/9/13

**WHEN COMPLETED, THIS FORM MUST BE SUBMITTED TO THE FIRE
DEPARTMENT AND CODE ENFORCEMENT OFFICE.**

Hazardous Materials Location*

MSDS Location: _____

Actual Address: _____

Building Name: _____

Owner Name: _____

Owner Address: _____

Emergency Contact Name: _____

Emergency Contact Phone: _____

Include Day and Night Phone

Signature of Person Completing this Form

_____/_____/_____
Date

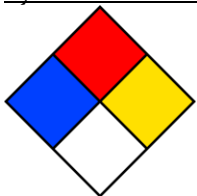
*It is suggested that a separate form be filled out for each building that contains hazardous materials.

FOR OFFICE USE ONLY

<i>Building ID</i>	<i>Fire Zone</i>	<i>Box #</i>
<i>Fire Chief:</i> _____ Initials		
<i>Code Enforcement:</i> _____ Initials		
_____ Pre-Incident Plan on File		
_____ Accepted	_____ Denied	_____ Additional Information Needed

Hazardous Materials Listing (attach additional sheets if necessary)

NFPA 704
Symbol



Material Description &
Proper Shipping Name

SPECIFIC LOCATION ON PREMISES:

↓

DOT Hazard Classification: _____

☐ Solid ☐ Liquid ☐ Gas

Type of Storage Container(s):

- ☐ Above-ground Tank ☐ Cylinder
☐ Underground Tank ☐ Drum
☐ Bottle ☐ Bag ☐ Box
☐ Can (up to 5 gallons per container)
☐ Tank vehicle, tank car or tank trailer

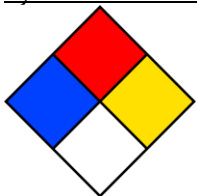
Total Amount: _____

UN No. _____

Containment & Spill Control: ☐ None ☐ Containment ☐ Spill Control Kit

FIRE-FIGHTING MEDIA:	Storage Code:
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NFPA 704
Symbol



Material Description &
Proper Shipping Name

SPECIFIC LOCATION ON PREMISES:

↓

DOT Hazard Classification: _____

☐ Solid ☐ Liquid ☐ Gas

Type of Storage Container(s):

- ☐ Above-ground Tank ☐ Cylinder
☐ Underground Tank ☐ Drum
☐ Bottle ☐ Bag ☐ Box
☐ Can (up to 5 gallons per container)
☐ Tank vehicle, tank car or tank trailer

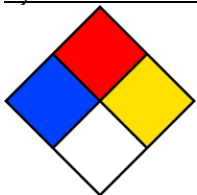
Total Amount: _____

UN No. _____

Containment & Spill Control: ☐ None ☐ Containment ☐ Spill Control Kit

FIRE-FIGHTING MEDIA:	Storage Code:
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NFPA 704
Symbol



Material Description &
Proper Shipping Name

SPECIFIC LOCATION ON PREMISES:

↓

DOT Hazard Classification: _____

☐ Solid ☐ Liquid ☐ Gas

Type of Storage Container(s):

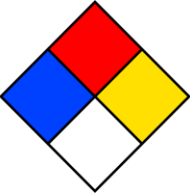
- ☐ Above-ground Tank ☐ Cylinder
☐ Underground Tank ☐ Drum
☐ Bottle ☐ Bag ☐ Box
☐ Can (up to 5 gallons per container)
☐ Tank vehicle, tank car or tank trailer

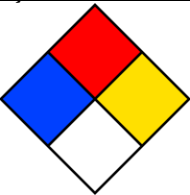
Total Amount: _____

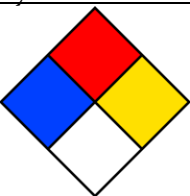
UN No. _____

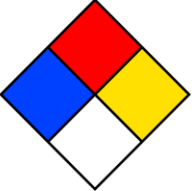
Containment & Spill Control: ☐ None ☐ Containment ☐ Spill Control Kit

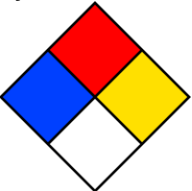
FIRE-FIGHTING MEDIA:	Storage Code:
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NFPA 704 Symbol	Material Description & Proper Shipping Name	SPECIFIC LOCATION ON PREMISES:
	 DOT Hazard Classification: _____ ☐ Solid ☐ Liquid ☐ Gas	Type of Storage Container(s): ☐ Above-ground Tank ☐ Cylinder ☐ Underground Tank ☐ Drum ☐ Bottle ☐ Bag ☐ Box ☐ Can (up to 5 gallons per container) ☐ Tank vehicle, tank car or tank trailer
Total Amount: _____		UN No. _____
Containment & Spill Control: ☐ None ☐ Containment ☐ Spill Control Kit		
 FIRE-FIGHTING MEDIA:		Storage Code:

NFPA 704 Symbol	Material Description & Proper Shipping Name	SPECIFIC LOCATION ON PREMISES:
	 DOT Hazard Classification: _____ ☐ Solid ☐ Liquid ☐ Gas	Type of Storage Container(s): ☐ Above-ground Tank ☐ Cylinder ☐ Underground Tank ☐ Drum ☐ Bottle ☐ Bag ☐ Box ☐ Can (up to 5 gallons per container) ☐ Tank vehicle, tank car or tank trailer
Total Amount: _____		UN No. _____
Containment & Spill Control: ☐ None ☐ Containment ☐ Spill Control Kit		
 FIRE-FIGHTING MEDIA:		Storage Code:

NFPA 704 Symbol	Material Description & Proper Shipping Name	SPECIFIC LOCATION ON PREMISES:
	 DOT Hazard Classification: _____ ☐ Solid ☐ Liquid ☐ Gas	Type of Storage Container(s): ☐ Above-ground Tank ☐ Cylinder ☐ Underground Tank ☐ Drum ☐ Bottle ☐ Bag ☐ Box ☐ Can (up to 5 gallons per container) ☐ Tank vehicle, tank car or tank trailer
Total Amount: _____		UN No. _____
Containment & Spill Control: ☐ None ☐ Containment ☐ Spill Control Kit		
 FIRE-FIGHTING MEDIA:		Storage Code:

NFPA 704 Symbol	Material Description & Proper Shipping Name	SPECIFIC LOCATION ON PREMISES:
	 DOT Hazard Classification: _____ ☐ Solid ☐ Liquid ☐ Gas	Type of Storage Container(s): ☐ Above-ground Tank ☐ Cylinder ☐ Underground Tank ☐ Drum ☐ Bottle ☐ Bag ☐ Box ☐ Can (up to 5 gallons per container) ☐ Tank vehicle, tank car or tank trailer
Total Amount: _____		UN No. _____
Containment & Spill Control: ☐ None ☐ Containment ☐ Spill Control Kit		
 FIRE-FIGHTING MEDIA:		Storage Code:

NFPA 704 Symbol	Material Description & Proper Shipping Name	SPECIFIC LOCATION ON PREMISES:
	 DOT Hazard Classification: _____ ☐ Solid ☐ Liquid ☐ Gas	Type of Storage Container(s): ☐ Above-ground Tank ☐ Cylinder ☐ Underground Tank ☐ Drum ☐ Bottle ☐ Bag ☐ Box ☐ Can (up to 5 gallons per container) ☐ Tank vehicle, tank car or tank trailer
Total Amount: _____		UN No. _____
Containment & Spill Control: ☐ None ☐ Containment ☐ Spill Control Kit		
 FIRE-FIGHTING MEDIA:		Storage Code:

Instructions for Hazardous Material Listing

NFPA 704 Symbol: This area identifies the hazards of materials for emergency responders. It does not apply to transportation or use by the general public. This system shall identify hazards of a material in terms of Health, Flammability, and Instability, with numerical ratings that range from four (4), indicating severe hazard, to zero (0), indicating minimal hazard.

The health rating is always at the nine o'clock position; the flammability rating is always at the twelve o'clock position; and the instability rating is always at the three o'clock position.

The fourth quadrant, at the six o'clock position, is reserved for indicating special hazards, such as **OX**, indicating oxidizing properties, or **W** indicating materials that react violently or explosively with water.



NOTE: Shipping and packing labels may be of assistance in identifying the class of material. Refer to your Material Safety Data Sheets (MSDS).

Hazardous Material Description and Proper Shipping Name: This area is reserved for the description and name of the hazardous material.

DOT Hazard Classification: Provide the DOT hazard class and division (see Table 2).

Specific Location on Premises: Indicate the specific storage location within the building, or exterior facility, or indicate “Detached Building” or “Magazine” as appropriate.

NOTE: A “*Detached Building*” is a separate single-story building, without a basement or crawlspace, used for the storage or use of hazardous materials and located an approved distance from all structures. A “*Magazine*” is a building or structure, other than an explosives manufacturing building, approved for the storage of explosive materials. **See also pages 8-9.**

Type of Storage Container(s): Indicate the type(s) of containers used to store the material. Check all that apply. See page 10 for more information regarding storage containers.

Total Amount: List the total amount of reportable material. If the amounts vary from day to day, then the average amount should be listed. The amounts of materials to be reported are shown on Table 1, (see page 6). If there are seasonally higher amounts, report the highest anticipated quantity that could be present at any one time.

UN No. List the proper UN number assigned to the material. Refer to the PHMSA Emergency Response Guidebook, available at <http://phmsa.dot.gov/hazmat/library/erg>, or the MSDS.

Containment & Spill Control: Containment may include curbs, recessed floors, dikes, sumps or containment pallets. A spill control kit commonly contains appropriate absorbents, etc. Indicates whether there is “containment”, a “spill control kit”, or “none”.

Fire-Fighting Media and Storage Code: This space is reserved for the Building Owner, Fire Chief or Code Enforcement Officer for comments regarding special fire-fighting procedures. Fire-fighting requirements can be found in the PHMSA Emergency Response Guidebook, and Material Safety Data Sheets (MSDS). The Storage Code is a letter code assigned as follows: “B” (Blue) for Health Hazard of 3 or 4; “R” (Red) for Fire Hazard of 3 or 4; “Y” (Yellow) for Reactivity Hazard of 3 or 4; “W” (White) for Corrosive; “G” (Gray) for materials presenting no more than moderate (1 or 2 rating) hazard in any category. See also Page 10.

EXAMPLE:

NFPA 704
Symbol



Material Description &
Proper Shipping Name

METHYL CYANIDE
AKA: ACETONITRILE, CYANOMETHANE,
ETHANENITRILE
DOT Hazard Classification: CLASS 3
☐ Solid ☒ Liquid ☐ Gas

SPECIFIC LOCATION ON PREMISES:

FLAMMABLE LIQUID VAULT

Type of Storage Container(s):

☐ Above-ground Tank ☐ Cylinder
☐ Underground Tank ☒ Drum
☐ Bottle ☐ Bag ☐ Box
☒ Can (up to 5 gallons per container)
☐ Tank vehicle, tank car or tank trailer

Total Amount: 125 gallons

UN No. 1648

Containment & Spill Control:

☐ None

☒ Containment

☐ Spill Control Kit



FIRE-FIGHTING MEDIA: DRY CHEM, CO2, WATER FOG, OR ALCOHOL-RESIST. FOAM

Storage Code:

RED

Table 1: Hazardous Materials

<u>Amounts to be reported:</u>			<u>Operating Permit Required</u>
1.	Combustible Liquids (Class II and IIIA):	25 gals inside and / or 60 gals outside	✓ ^{ab} ✓ ^d
2.	Flammable Liquids (Class I):	5 gals inside and / or 10 gals outside	✓ ^{ac} ✓ ^d
3.	Explosive Materials / Blasting Agents:	Any Quantity	✓
4.	Corrosive Materials:	Gas: 200 cubic feet Liquid: 55 gals Solid: 1,000 lbs	✓ ✓ ✓
5.	Poisonous, Toxic and / or Irritating Materials	Any Quantity	✓
6.	Oxidizers:	Gas: 200 cubic feet	✓
	Liquid or Solid: Class 4 or 3:	Any Quantity	✓
	Class 2 or 1:	50 lbs	✓
7.	Organic Peroxides:	Class I or II: Any Quantity Class III or IV: 10 lbs	✓ ✓
8.	Pyrophoric Materials:	Any Quantity	✓
9.	Unstable / Reactive Materials:	Any Quantity	✓
10.	Water-Reactive Materials:	Any Quantity	✓
11.	Radioactive Materials:	Any Quantity	✓
12.	Etiologic (biohazard) Materials:	Any Quantity	NA
13.	Liquefied Petroleum Gas (Propane)	>2,000 gals	✓
14.	Non-Flammable Gas	>6,000 cubic feet	✓
15.	Flammable Gas	200 cubic feet	✓
16.	Flammable Solid	Any Quantity	✓

^a Except the storage or use of paints, oils, varnishes or similar flammable mixtures when such liquids are stored for maintenance, painting or similar purposes for a period of not more than 30 days.

^b Except the storage of fuel oil used in connection with oil-burning equipment.

^c Except the storage or use of Class I liquids in the fuel tank of a motor vehicle, aircraft, motorboat, mobile power plant or mobile heating plant.

^d Except for outdoor storage of less than 1,100 gals.

Table 2: DOT Classes of Hazardous Materials and Placards



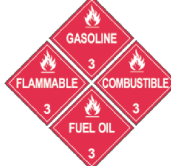
Class 1: Explosives

Division 1.1	Explosives with a mass explosion hazard
Division 1.2	Explosives with a projection hazard
Division 1.3	Explosives with predominantly a fire hazard
Division 1.4	Explosives with no significant blast hazard
Division 1.5	Very insensitive explosives with a mass explosion hazard
Division 1.6	Extremely insensitive articles



Class 2: Gases

Division 2.1	Flammable gases
Division 2.2	Non-flammable, non-toxic* gases
Division 2.3	Toxic* gases



Class 3: Flammable liquids (and Combustible liquids)



Class 4: Flammable solids; Spontaneously combustible materials; and Dangerous when wet / Water-reactive substances

Division 4.1	Flammable solids
Division 4.2	Spontaneously combustible materials
Division 4.3	Water-reactive / Dangerous when wet materials



Class 5: Oxidizer and Organic Peroxide

Division 5.1	Oxidizers
Division 5.2	Organic peroxides



Class 6: Toxic* substances and Infectious substances

Division 6.1	Toxic* substances
Division 6.2	Infectious substances



Class 7: Radioactive materials



Class 8: Corrosive substances



Class 9: Miscellaneous hazardous materials / Products, Substances or Organisms

* The words “poison” or “poisonous” are synonymous with the word “toxic”

Separation of Incompatible Materials

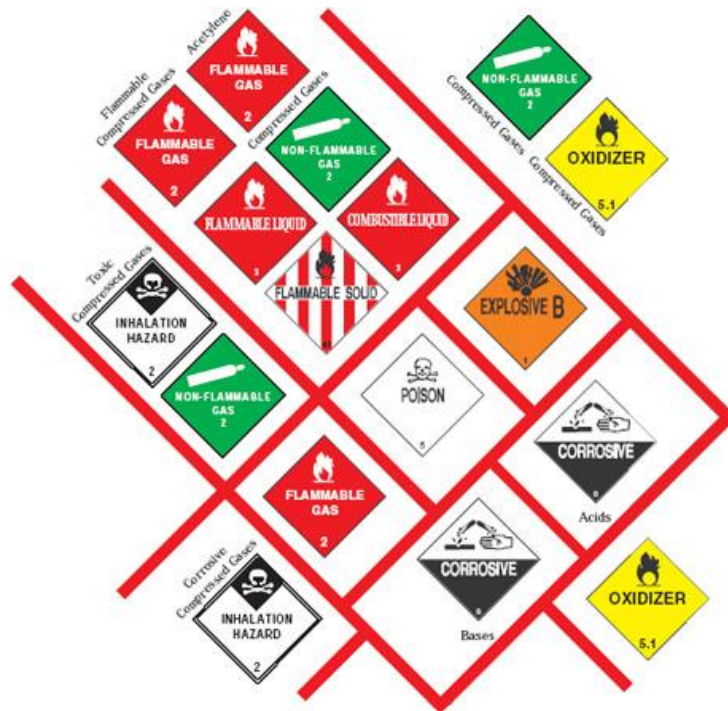
Fire Code of NYS §2703.9.8

Incompatible materials in storage and storage of materials that are incompatible with materials in use shall be separated when the stored materials are in containers having a capacity of more than 5 pounds or 0.5 gallon (2 L). Separation shall be accomplished by:

1. Segregating incompatible materials in storage by a distance of not less than 20 feet.
2. Isolating incompatible materials in storage by a non-combustible partition extending not less than 18 inches above and to the sides of the stored material.
3. Storing liquid and solid materials in hazardous material storage cabinets.
4. Storing compressed gases in gas cabinets or exhausted enclosures. Materials that are incompatible shall not be stored within the same cabinet or exhausted enclosure.

NOTE: "Incompatible Materials" are materials that, when mixed, have the potential to react in a manner which generates heat, fumes, gases or byproducts which are hazardous to life or property.

The incompatibilities of materials can be determined from the MSDS (material safety data sheet). The diagram below shows a simplified method of determining incompatibility based on DOT shipping placards. Where a **red line** separates placards, such materials should be separated as indicated above.



Some materials are required to be stored in hazardous materials cabinets with no other materials and other types and quantities of materials are required to be stored in a detached building.

Examples include:

- Unclassified detonable and Class 1 organic peroxides must be stored in hazmat storage cabinets with no other materials
- Class 4 liquid and solid oxidizers must be stored in hazmat storage cabinets with no other materials
- Class 3 and 4 unstable (reactive) materials must be stored in hazmat cabinets with no other materials
- Highly toxic solids and liquids must be isolated from other hazardous materials through use of hazmat storage cabinets or other construction methods
- Class 2 or 3 water-reactive solids and liquids cannot be stored with flammable liquids.
- Explosives may be required to be stored in properly constructed magazines, depending on the type and quantity.

Table 3: Compatibility Chart

DANGEROUS GOODS & COMBUSTIBLE LIQUIDS STORAGE COMPATIBILITY CHART													
Class or Subsidiary Risk													
FLAMMABLE GASES		OK TO STORE TOGETHER	OK TO STORE TOGETHER	SEGREGATE At least 3m	SEGREGATE At least 3m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 3m	ISOLATE	SEGREGATE At least 3m	SEGREGATE At least 5m
NON TOXIC NON FLAMMABLE GASES		OK TO STORE TOGETHER	OK TO STORE TOGETHER	OK TO STORE TOGETHER	OK TO STORE TOGETHER	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 3m	ISOLATE	SEGREGATE At least 3m	SEGREGATE At least 5m
TOXIC GAS		SEGREGATE At least 3m	OK TO STORE TOGETHER	MAY NOT BE COMPATIBLE CHECK MSDS AND NOTES	SEGREGATE At least 3m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 3m	ISOLATE	SEGREGATE At least 3m	SEGREGATE At least 5m
OXIDIZING GAS		SEGREGATE At least 3m	OK TO STORE TOGETHER	SEGREGATE At least 3m	OK TO STORE TOGETHER	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 3m	ISOLATE	SEGREGATE At least 3m	SEGREGATE At least 5m
FLAMMABLE LIQUIDS & COMBUSTIBLE LIQUIDS		SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 5m	OK TO STORE TOGETHER	SEGREGATE At least 3m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 3m	ISOLATE	SEGREGATE At least 3m	SEGREGATE At least 5m
FLAMMABLE SOLID		SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 3m	OK TO STORE TOGETHER	SEGREGATE At least 3m	SEGREGATE At least 5m	SEGREGATE At least 3m	ISOLATE	SEGREGATE At least 3m	MAY NOT BE COMPATIBLE CHECK MSDS AND NOTES
SPONTANEOUSLY COMBUSTIBLE		SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 3m	OK TO STORE TOGETHER	SEGREGATE At least 5m	SEGREGATE At least 5m	ISOLATE	SEGREGATE At least 3m	SEGREGATE At least 3m
DANGEROUS WHEN WET		SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 5m	OK TO STORE TOGETHER	SEGREGATE At least 5m	ISOLATE	SEGREGATE At least 3m	SEGREGATE At least 5m
OXIDIZING AGENT		SEGREGATE At least 3m	SEGREGATE At least 3m	SEGREGATE At least 3m	SEGREGATE At least 3m	SEGREGATE At least 5m	KEEP APART	SEGREGATE At least 5m	SEGREGATE At least 5m	MAY NOT BE COMPATIBLE CHECK MSDS AND NOTES	ISOLATE	SEGREGATE At least 3m	SEGREGATE At least 3m
ORGANIC PEROXIDE		ISOLATE	ISOLATE	ISOLATE	ISOLATE	ISOLATE	ISOLATE	ISOLATE	ISOLATE	ISOLATE	OK TO STORE TOGETHER	ISOLATE	SEGREGATE At least 3m
TOXIC SUBSTANCES		SEGREGATE At least 3m	SEGREGATE At least 3m	SEGREGATE At least 3m	SEGREGATE At least 3m	SEGREGATE At least 5m	SEGREGATE At least 3m	SEGREGATE At least 3m	SEGREGATE At least 3m	SEGREGATE At least 3m	ISOLATE	OK TO STORE TOGETHER	SEGREGATE At least 5m
CORROSIVE		SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 5m	SEGREGATE At least 3m	MAY NOT BE COMPATIBLE CHECK MSDS AND NOTES	SEGREGATE At least 3m	SEGREGATE At least 5m	SEGREGATE At least 3m	SEGREGATE At least 3m	SEGREGATE At least 5m	MAY NOT BE COMPATIBLE CHECK MSDS AND NOTES

The above chart is not a code requirement, but can be used as a guide in determining the relative compatibility of materials.

- Combinations indicated in **GREEN** are generally compatible, and can normally be stored together.
- Combinations indicated in **YELLOW** are usually incompatible, and such materials should be separated (use 20 feet instead of the 3 meter reference).
- Combinations indicated in **ORANGE** are usually incompatible, and such materials should be separated (use 20 feet instead of the 5 meter reference. **These materials often have incompatible fire-fighting requirements.** Strong consideration should be given to storing such materials in completely separate rooms or areas.
- Combinations indicated in **RED** are incompatible, and such materials must be isolated from each other by using detached storage, hazmat storage cabinets or fire-rated construction.
- Combinations indicated "MAY NOT BE COMPATIBLE" require careful consider of the Material Safety Data Sheets (MSDS) for each material. For example, as shown on page 7, corrosive acids and bases cannot be stored together.



- Each combination of miscellaneous hazardous materials must be considered individually. Refer to both MSDS.

Always refer to the Material Safety Data Sheets for specific hazard information.

FOR MORE INFORMATION

<http://environmentalchemistry.com/>

<http://cameochemicals.noaa.gov/>

<http://www.cdc.gov/niosh/>

STORAGE CODE KEY

The five storage code / colors and their descriptions are listed below. Some materials may still be incompatible and must be stored separately (refer to the MSDS):

Red (R): Flammable. Store in area segregated for flammable materials.

Blue (B): Health hazard. Toxic if inhaled, ingested or absorbed through skin. Store in secure area.

Yellow (Y): Reactive and oxidizing materials. May react violently with air, water or other substances. Store away from flammable and combustible materials.

White (W): Corrosive. May harm skin, eyes, mucous membrane. Store away from red-, yellow- and blue-coded materials.

Gray (G): Presents no more than moderate hazard (1-2) in any of the categories above. For general chemical storage.



Hazardous Materials Storage Containers

Above-Ground Tank: A horizontal or vertical tank having a liquid capacity of more than 60 gallons. Includes any above-ground tank whether indoors or outdoors, permanent or portable. This also includes stationary LP gas tanks.

Underground Tank: A tank having a liquid capacity of more than 60 gallons and that has 10 percent or more of its volume below the surface of the ground.

Cylinder: Includes portable / exchange gas cylinders (compressed gases, liquefied gases, etc.)

Drum: Includes metal, plastic, composite or wooden drums and barrels between 5 and 60 gallons capacity.

Bottle, Bag, Box: Small quantities of hazardous materials may be stored in bottles (glass or plastic), while some dry materials may be stored in boxes or bags.

Can: A metal or plastic container, usually between 1 and 5 gallons capacity.

Tank Vehicle, Tank Car, Tank Trailer: Includes all of the following:

- Atmospheric Pressure Tank Truck (see Note 1 below)
- Low-Pressure Chemical Carrier
- Corrosive Liquid Carrier
- High-Pressure Liquefied Gas Tanker (including Bobtail) (See Note 2 below)
- Cryogenic Tanker
- Tube Trailer
- General Services Rail Tank Car, Pressurized Tank Car, Hopper Car

NOTE 1: Fire Code §3404.2.2

“Tank cars and tank vehicles shall not be used as [flammable and combustible liquid] storage tanks.”

NOTE 2: The Fire Code also restricts the parking and / or garaging of certain types of vehicles carrying hazardous materials, including:

- Explosives
- Flammable & Combustible Liquids
- LP Gas