



NORTH LAS VEGAS BUILDING AND FIRE SAFETY DIVISION

HAZARDOUS MATERIALS WORKSHEET - 2018 INTERNATIONAL FIRE CODE ¹ INDOOR STORAGE ONLY

| A | B | C | D | E | F | G | H |
|-------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------|---------------------------|----------------------------------------------------------|------------------------|
| PHYSICAL HAZARD | MAXIMUM QUANTITY PER CONTROL AREA | MAXIMUM ALLOWABLE QUANTITY (MAQ) AMOUNT BASIC | MAQ AMOUNT WITH SPRINKLERED BUILDINGS OR CABINET | MAQ AMOUNT WITH SPRINKLERED BUILDINGS AND CABINET | EXCEEDS MAQ AMOUNT Y N | PERMIT AMOUNT (IFC Section 105.6) | PERMIT REQUIRED Y N |
| Combustible liquid Class II Class III-A Class III-B | | 120 gals 330 gals 13,200 gals | 240 gals 660 gals Any amount in spkr. bldg. or 26,400 gals | 480 gals 1320 gals Any amount in sprinklered building | | Class II or III-A Inside: 25 gals Outside: 60 gals | |
| Combustible fiber (loose) (baled) | | 100 cf 1,000 cf | 100 cf 1,000 cf | 100 cf 1,000 cf | | 100 cf | |
| Cryogenic, flammable or oxidizing | | 45 gals | 45 gal or with spkr. 90 gals | 45 gal or with spkr. 90 gals | | See Table 105.6.10 flam 1 gal; ox 10 gal inert 60 gal | |
| Explosives | | See table 5003.1.1(1) | See table 5003.1.1(1) | See table 5003.1.1(1) | | See Chapter 56 | |
| Fireworks (1.4G) ₉ | | 125 lbs | 250 lbs | 500 lbs | | See Chapter 56 | |
| Flammable solid | | 125 lbs | 250 lbs | 500 lbs | | 100 lbs | |
| Flammable gas (gaseous) (liquefied) | | 1,000 cf 15 gals (150 lbs) | 2,000 cf 30 gals (300 lbs) | 4,000 cf 60 gals (600 lbs) | | 200 cf ⁴ | |
| Flammable liquid Class I-A Class I-B & I-C Combination I-A, I-B, I-C | | 30 gals 120 gals 120 gals ⁵ | 60 gals 240 gals 240 gals ⁵ | 120 gals 480 gals 480 gals ⁵ | | Inside: 5 gals Outside: 10 gals | |
| Organic peroxide unclassified detonable (UD) | | Auto. Sprk. Required ² | (solid/liquid) 1 lb ² | (solid/liquid) 2 lbs | | Any amount | |

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| A PHYSICAL HAZARD | B MAXIMUM QUANTITY PER CONTROL AREA | C MAXIMUM ALLOWABLE QUANTITY (MAQ) AMOUNT BASIC | D MAQ AMOUNT WITH SPRINKLERED BUILDINGS OR CABINET | E MAQ AMOUNT WITH SPRINKLERED BUILDINGS AND CABINET | F EXCEEDS MAQ AMOUNT | | G PERMIT AMOUNT | H PERMIT REQUIRED | |
|--------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---|
| | | | | | Y | N | | Y | N |
| Inert Gas Cryogenic Inert | | Not Applicable/Limited | Not Applicable/Limited | Not Applicable/Limited | | | 6000 cf or 60 gallons | | |
| Organic peroxide Class I Class II Class III Class IV Class V | | (solid/liquid) 5 lbs (solid/liquid) 50 lbs (solid/liquid) 125 lbs Not Limited Not Limited | (solid/liquid) 10 lbs (solid/liquid) 100 lbs (solid/liquid) 250 lbs Not Limited Not Limited | (solid/liquid) 20 lbs (solid/liquid) 200 lbs (solid/liquid) 500 lbs Not Limited Not Limited | | | Any amount Any amount 10 lbs/1 gal 20 lbs/2 gals No Permit Required | | |
| Oxidizer Class 4 Class 3 Class 2 Class 1 | | Auto. Spkr. Required ² (solid/liquid) 10 lbs (solid/liquid) 250 lbs (solid/liquid) 4000 lbs | (solid/liquid) 1 lb ² (solid/liquid) 20 lbs (solid/liquid) 500 lbs (solid/liquid) 8000 lbs Class 1 N.L. with spkr. | (solid/liquid) 2 lbs ² (solid/liquid) 40 lbs (solid/liquid) 1000 lbs (solid/liquid) 16,000lbs Class 1 N.L. with spkr. | | | Any amount 10 lbs/1 gal ⁸ 100 lbs/10 gals 500 lbs/55 gals | | |
| Oxidizer - gas (gaseous) (liquefied) | | 1500 cf 15 gals (150 lbs) | 3000 cf 30 gals (300 lbs) | 6000 cf 60 gals (600 lbs) | | | 504 cf | | |
| Pyrophoric | | Auto. Spkr. Required ² Auto. Spkr. Required ² | (solid/liquid) 4 lbs ² (gas) 50 cf | (solid/liquid) 8 lbs (gas) 100 cf | | | Any amount solid/liquid/gas | | |
| Unstable (reactive) Class 4 Class 3 Class 2 Class 1 | | Auto. Spkr. Required ² Auto. Spkr. Required ² (solid/liquid) 5 lbs (gas) 50 cf (solid/liquid) 50 lbs (gas) 250 cf (solid/liquid) Not limited (gas) Not Limited | (solid/liquid) 1 lb ² (gas) 10 cf ² (solid/liquid) 10 lbs (gas) 100 cf (solid/liquid) 100 lbs (gas) 500 cf (solid/liquid) Not limited (gas) Not Limited | (solid/liquid) 2 lbs (gas) 20 cf (solid/liquid) 20 lbs (gas) 200 cf (solid/liquid) 200 lbs (gas) 1000 cf (solid/liquid) Not limited (gas) Not Limited | | | Any amount solid/liquid/gas Any amount solid/liquid/gas 50 lbs/5 gals Any amount gas 100 lbs/10 gals Any amount gas | | |
| Water reactive Class 3 Class 2 Class 1 | | (solid/liquid) 5 lbs (solid/liquid) 50 lbs Not Limited | (solid/liquid) 10 lbs (solid/liquid) 100 lbs Not Limited | (solid/liquid) 20 lbs (solid/liquid) 200 lbs Not Limited | | | Any amount solid/liquid 50 lbs/5 gals 500 lbs/55 gals | | |

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| HEALTH HAZARDS | MAXIMUM QUANTITY PER CONTROL AREA | MAXIMUM ALLOWABLE QUANTITY (MAQ) AMOUNT BASIC | MAQ AMOUNT WITH SPRINKLERED BUILDINGS OR CABINET | MAQ AMOUNT WITH SPRINKLERED BUILDINGS AND CABINET | EXCEEDS MAQ AMOUNT Y N | PERMIT AMOUNT | PERMIT REQUIRED Y N |
| Corrosives (solid) (liquid) (gas) | | 5000 lbs 500 gals gaseous 810 cf 150 cf liquefied gas | 10,000 lbs 1000 gals gaseous 1620 cf 300 cf liquefied gas | 20,000 lbs 2000 gals gaseous 1620 cf 300 cf liquefied gas | | 500 lbs 55 gals 200 cf | |
| Highly toxics | | (solid/liquid) 10 lb gaseous 20 cf [4 cf liquefied gas if gas cab/ex.en.] | (solid/liquid) 20 lbs gaseous 40 cf [8 cf liquefied gas if gas cab/ex.en.] ⁶ | (solid/liquid) 40 lbs gaseous 40 cf [8cf liquefied gas if gas cab/ex.en.] | | Any amount solid/liquid/gas | |
| Toxics (solid/liquid) (gas) | | 500 lbs gaseous 810 cf 150 cf liquefied gas | 1000 lbs gaseous 1620 c 300 cf liquefied gas | 2000 lbs gaseous 3240 cf 600 cf liquefied gas | | 100 lbs/10 gals Any amount | |
| OTHER HAZ | | | | | | | |
| Aerosol Level 3 Level 2 Combination 2 and 3 | | 500 lbs 1,000 lbs 1,000 lbs | with cabinet 1,000 lbs with cabinet 2,000 lbs with cabinet 2,000 lbs | with cabinet 1,000 lbs with cabinet 2,000 lbs with cabinet 2,000 lbs | | Level 2/3 > 500 lbs | |
| Compressed Gas Inert & Simple Asphyxiant | | Not Limited | Not Limited | Not Limited | | 6,000 cf | |

1 The use of this form does not relieve the applicant from a duty and responsibility to review IFC tables 2703.1.1(1) and 2703.1.1(2). For S and M Occupancies See Chapter 27, section 2703.11, table 2703.11.1, section 3404.3.4.1 and table 3404.3.4.1.

2 Permitted in sprinklered buildings only. None is allowed in unsprinklered buildings.

3 One pound (.454 kg) of black sporting powder and 20 pounds (9 kg) of smokeless powder are permitted in sprinklered or unsprinklered buildings (see section 3301.1(4))

4 Except cryogenic fluids and liquefied petroleum gases.

5 Combinations shall not contain more than the exempt amounts of any individual class.

6 Permitted only when located in approved gas cabinets, exhausted enclosures, or gas rooms.

7 For anhydrous ammonia cylinders see the Fire Code table 2703.1.1(2).

8 See table 105.6.20 (20/200).

9 Class C, Consumer Fireworks (1.4G).