

MSA FACILITIES SAFETY AND HEALTH INSPECTION PROGRAM

Explosives



Approved for Public Release;
Further Dissemination Unlimited

Explosives

At the completion of this unit you shall be able to:

1. Utilize section O of the Safety and Health Hazard Inspection Program Checklist to identify compliant and non-compliant safety behaviors.
2. Identify areas of concern requiring immediate action to mitigate or prevent a possible injury.

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Explosives



Explosives



Because we may have any of these objects in large supply at specific facilities, those facilities must be inspected by our criteria.

Explosives

- Section O of the inspection checklist deals with explosives.
- Let's take a closer look at this section

MSA GENERAL INDUSTRY-BASED SAFETY AND HEALTH
HAZARD INSPECTION CHECKLIST

No.	Inspection Observations	Compliant? Y•N•N/A	See Comments (indicate with X)
8	Compressed Gas Cylinders are stored separately from flammable materials such as gasoline.		
9	Compressed Gas Cylinders containing flammable gases are stored in ventilated locations.		
10	Other.		
N SPRAY FINISHING USING FLAMMABLE and COMBUSTIBLE MATERIALS			
1	Forced ventilation is provided for the area.		
2	Spray booth airflow is not obstructed.		
3	No ignition sources (e.g., open flames or spark-producing work) are in the area.		
4	Ventilation and electrical equipment is classified for "hazardous locations" (Class I, Division D).		
5	Fire control systems are operational.		
6	Other.		
O EXPLOSIVES			
1	Explosives materials are labeled and stored in secured areas/vaults.		
2	Storage areas are posted with the hazard designation sign.		
3	A Hanford Fire Marshal Permit has been issued for the material. ***		
4	Other.		
P PERSONAL PROTECTIVE EQUIPMENT (PPE)			
1	Appropriate PPE is selected, fitted, and used properly for protection against hazards identified.		
2	PPE is properly stored and maintained.		
3	Facility/work area-specific PPE requirements are known, or conspicuously posted in affected work areas.		
4	Other.		
Q SANITATION			
1	Non-potable water sources are adequately marked.		
2	Food and beverages ARE NOT consumed or stored in toilet rooms or in areas exposed to toxic materials.		
3	Toilet and shower facilities are adequate and maintained in a sanitary condition.		
4	Rodent, insect, and vermin control measures are in place and maintained.		
5	Potable water supplies are adequate.		
6	Appliances are clean and maintained.		
7	Other.		
R SAFETY COLOR CODE FOR MARKING PHYSICAL HAZARDS			
1	Emergency "STOP" switches are color-coded RED.		

Explosives

1. Explosives materials are labeled and stored in secured areas/vaults.
2. Storage areas are posted with the hazard designation sign.
3. A Hanford Fire Marshal Permit has been issued for the material. ***
4. Other.

Explosives

1. Explosives materials are labeled and stored in secured areas/vaults.
- This item stipulates that explosive material is properly stored in secure building and vaults.
 - These are referred to as “magazines” or “bunkers”.
 - These buildings are located and designed to ensure if a problem (such as a fire) occurs personnel and property damage will be minimal.



Explosives

1. Explosives materials are labeled and stored in secured areas/vaults.
- A compliant rating would indicate that the materials were stored properly in a location that was labeled.



Explosives

1. Explosives materials are labeled and stored in secured areas/vaults.
- A non compliant rating would indicate that the materials were not stored properly in a location that was labeled.



Explosives

2. Storage areas are posted with the hazard designation sign.
- This item is to ensure that those areas that contain explosives described previously are properly posted.



Explosives

2. Storage areas are posted with the hazard designation sign.
- A compliant rating would indicate that the location was posted properly.



Explosives

2. Storage areas are posted with the hazard designation sign.
- A compliant rating would indicate that the location was posted properly.
 - A non compliant rating would indicate it wasn't.



Explosives

3. A Fire Marshal Permit has been issued for the material.
- Each organization that uses and stores explosives is required to have a permit from the Fire Marshall.
 - The Fire Marshall is tasked with issuing a permit for magazines when a determination is made that the location meets all the occupancy, fire protection/suppression, alarm, and location requirements stipulated in the NFPA documents.



Explosives

3. A Fire Marshal Permit has been issued for the material.
- A compliant rating would indicate that the permit was issued, is available, and is current.
 - A non compliant rating would indicate it wasn't and would need to be immediately addressed.



Explosives

- If at any time you have any questions about how to fill out the form or about the items on the form please contact your OS&H group.

**MSA GENERAL INDUSTRY-BASED SAFETY AND HEALTH
HAZARD INSPECTION CHECKLIST**

Facility: _____	Facility Representative: _____
Date: _____	Team Member: _____
Total Items Reviewed: _____	Team Member: _____
Total Non-Compliant Items: _____	Team Member: _____

No.	Inspection Observations	Compliant?	See Comments (indicate with X)
		Y-N-N/A	
A	FIRE PROTECTION INSPECTION <i>(All issues must be observed as applicable see note 2)</i>		
1	Emergency Lights - Each unit must be operable when tested.		
2	Portable Fire Extinguishers (PFE) - Each unit is properly mounted, an inspection tag is in place and reflects through previous month, the pressure gauge is in the "green" zone (where applicable).		
3	PFE is not obstructed, is visible, and the seal is not broken.		
4	Sprinkler Clearance - Clearance between the sprinkler deflector and the top of any storage is 18 inches or greater.		
5	Fire Riser Pressure Gauge Inspection - Inspect gauges to verify pressure to the building and pressure held in the fire system. Typically both gauges will have similar pressure readings.		
6	Fire Risers - Access to fire system sprinkler risers and other system components must be unobstructed.		
7	Fire Riser Valve Inspection - Check all seals, position and supervision for broken seals or possible tampering.		
8	Post Indicating Valve Inspection - This valve will be located outside of the facility. It must be verified that the window on the side of the valve reads "OPEN".		
9	Exit Signs - Exit signs with an internal lighting source must be checked to ensure all lamps are functional. - Exit signs that use Tritium must be observed that they have not been damaged, all applicable labels are present, the sign has not expired, and it is not covered with another sign.		
10	Fire Doors - Identify that fire doors operate freely and latch securely upon closure. Fire doors must not be propped open.		
11	Ceiling Tiles - Where automatic sprinklers are installed drop ceiling tiles are in place. Missing tiles slow response of fire suppression sprinklers.		
12	Manual alarm stations are easily identified and readily accessible.		
13	Other.		
B	GENERAL SAFE BEHAVIORS		
1	Employees are taking the necessary safety precautions for the work being performed.		
2	Work is being performed such that collocated employees in the area are not exposed to occupational hazards or unsafe conditions.		

1 A-6004-299 (REV 2)

Thank you for your time
and desire to help us have
a safer workplace