

**Mine Safety and Health Admin., Labor**

**§ 57.17001**

**§ 57.16004 Containers for hazardous materials.**

Containers holding hazardous materials must be of a type approved for such use by recognized agencies.

[67 FR 42389, June 21, 2002]

**§ 57.16005 Securing gas cylinders.**

Compressed and liquid gas cylinders shall be secured in a safe manner.

**§ 57.16006 Protection of gas cylinder valves.**

Valves on compressed gas cylinders shall be protected by covers when being transported or stored, and by a safe location when the cylinders are in use.

**§ 57.16007 Taglines, hitches, and slings.**

(a) Taglines shall be attached to loads that may require steadying or guidance while suspended.

(b) Hitches and slings used to hoist materials shall be suitable for the particular material handled.

**§ 57.16009 Suspended loads.**

Persons shall stay clear of suspended loads.

**§ 57.16010 Dropping materials from overhead.**

To protect personnel, material shall not be dropped from an overhead elevation until the drop area is first cleared of personnel and the area is then either guarded or a suitable warning is given.

**§ 57.16011 Riding hoisted loads or on the hoist hook.**

Persons shall not ride on loads being moved by cranes or derricks, nor shall they ride the hoisting hooks unless such method eliminates a greater hazard.

**§ 57.16012 Storage of incompatible substances.**

Chemical substances, including concentrated acids and alkalis, shall be stored to prevent inadvertent contact with each other or with other substances, where such contact could cause a violent reaction or the liberation of harmful fumes or gases.

**§ 57.16013 Working with molten metal.**

Suitable warning shall be given before molten metal is poured and before a container of molten metal is moved.

**§ 57.16014 Operator-carrying overhead cranes.**

Operator-carrying overhead cranes shall be provided with—

(a) Bumpers at each end of each rail;

(b) Automatic switches to halt uptravel of the blocks before they strike the hoist;

(c) Effective audible warning signals within easy reach of the operator; and

(d) A means to lock out the disconnect switch.

**§ 57.16015 Work or travel on overhead crane bridges.**

No person shall work from or travel on the bridge of an overhead crane unless the bridge is provided with substantial footwalks with toeboards and railings the length of the bridge.

**§ 57.16016 Lift trucks.**

Fork and other similar types of lift trucks shall be operated with the:

(a) Upright tilted back to steady and secure the load;

(b) Load in the upgrade position when ascending or descending grades in excess of 10 percent;

(c) Load not raised or lowered enroute except for minor adjustments; and

(d) Load-engaging device downgrade when traveling unloaded on all grades.

**§ 57.16017 Hoisting heavy equipment or material.**

Where the stretching or contraction of a hoist rope could create a hazard, chairs or other suitable blocking shall be used to support conveyances at shaft landings before heavy equipment or material is loaded or unloaded.

**Subpart P—Illumination**

**§ 57.17001 Illumination of surface working areas.**

Illumination sufficient to provide safe working conditions shall be provided in and on all surface structures, paths, walkways, stairways, switch panels, loading and dumping sites, and working areas.