

## **COMPRESSED GASSES STANDARD OPERATING PROCEDURE**

### **HAZARDOUS CHEMICALS/CLASS OF HAZARDOUS CHEMICALS**

- Cylinders containing compressed gasses.

### **HAZARD DESCRIPTION**

- Cylinders of compressed gases must be handled as high energy sources. They can become a projectile if the cylinder valve is dislodged.

### **PROTECTION PROCESS**

- Good laboratory technique

### **PERSONAL PROTECTIVE EQUIPMENT**

- Not applicable to compressed gasses in general – may be needed for specific gasses.

### **ENGINEERING/VENTILATION CONTROLS**

- Not applicable to compressed gasses in general – may be needed for specific gasses.

### **SPECIAL HANDLING PROCEDURES AND STORAGE REQUIREMENTS**

- Cylinders should be stored in an upright position and secured to a wall or laboratory bench through the use of chains or straps.
- Cylinder caps should remain on the cylinder at all times unless a regulator is in place.
- Cylinders should be stored in areas where they will not become overheated. Avoid storage near radiators, areas in direct sunlight, steam pipes and heat releasing equipment such as sterilizers.
- Transport compressed gas cylinders on equipment designed for this function.
- Never carry or "walk" cylinders by hand.

### **SPILL AND ACCIDENT PROCEDURES**

- Not applicable to compressed gasses in general – may be needed for specific gasses.

### **WASTE DISPOSAL**

- All empty or partially filled compressed gas cylinders should be returned to the supplier. If the supplier does not accept empty or partially filled cylinders, contact the Office of Environmental Health and Safety concerning disposal.

### **SPECIAL APPROVAL REQUIRED**

- Not applicable to compressed gasses in general – may be needed for specific gasses.

### **DECONTAMINATION**

- Not applicable to compressed gasses in general – may be needed for specific gasses.

### **DESIGNATED AREA**

- Not applicable to compressed gasses in general – may be needed for specific gasses.