MSA FACILITIES SAFETY AND HEALTH INSPECTION PROGRAM

Safety Color Code for Marking Physical Hazards
At the completion of this unit you shall be able to:

1. Utilize section R 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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To help prevent workplace accidents and train new employees, standard color codes have been developed and adopted for manufacturing facilities and machinery that provide a uniform message to all workers. The American National Standards Institute (ANSI) has developed standards for color and meaning (ANSI Z545.1. Color Codes.) These standards have been adopted and promoted by the Occupational Safety and Health Administration (OSHA) to protect workers.
Under ANSI and OSHA guidelines the color **RED** designates "danger," "stop" and location of fire protection equipment and apparatus. Some applications include; Emergency stop buttons, bars, and electrical switches. Safety cans or other portable containers of flammable liquids. Fire alarm boxes, fire extinguishers, and fire hydrants.
Conversely, the color **ORANGE** Designates "warning" and dangerous parts of machinery or energized equipment which could cause injury. Some examples include; hazardous parts of machines which may cut, crush, or otherwise injure, hazards when enclosure doors are open or when gear, belt, or other guards around moving equipment are opened or removed, exposing unguarded hazards and exposed edges of pulleys, gears, rollers, cutting devices, power jaws, etc.
Yellow designates "caution" for marking physical hazards such as: striking against, stumbling, falling, tripping, and “caught in between.” Some examples are: Background color for CAUTION safety signs, labels, and tags. Low beams, conveyors, doorway projections, and hand rails. Storage cabinets for flammable materials.
Section R of the inspection checklist deals with Safety Color Codes.

Let’s take a closer look at this section.
Safety Color Code for Marking Physical Hazards

1. Emergency "STOP" switches are color-coded RED.
2. Caution areas are marked with YELLOW or YELLOW/BLACK striping.
3. Accident prevention signs and tags are posted where necessary, and of the correct type and color.
4. Other.
Safety Color Code for Marking Physical Hazards

1. Emergency "STOP" switches are color-coded RED.

- Most of the machines used by SAS are fairly small. This includes exercise machines and shop machinery. The emergency stop buttons also function as the normal stop buttons.
- This button should be clearly marked on all of the equipment that is operated from some type of operating position.
Safety Color Code for Marking Physical Hazards

1. Emergency "STOP" switches are color-coded RED.

- A compliant rating would indicate that stop buttons did meet this standard.
- A non compliant rating would indicate that was not the case.
2. Caution areas are marked with YELLOW or YELLOW/BLACK striping.

• One of the many ways we use to protect personnel from hazards in areas where machinery operates is the use of yellow and black floor markings.

• The purpose of this item is to ensure that those locations where PPE is needed or hazards of being struck by equipment be demarcated with caution markings.
Safety Color Code for Marking Physical Hazards

2. Caution areas are marked with YELLOW or YELLOW/BLACK striping.

• This includes locations such as machine shops or where equipment and machinery operation create a potential hazard to unaware employees.
Safety Color Code for Marking Physical Hazards

2. Caution areas are marked with YELLOW or YELLOW/BLACK striping.

• A compliant rating would indicate the caution tape or marking was in place and legible.
2. Caution areas are marked with YELLOW or YELLOW/BLACK striping.

• A non compliant rating would indicate the caution tape or marking was not in place or not legible.
3. Accident prevention signs and tags are posted where necessary, and of the correct type and color.

- **Danger** which shall be used only where an immediate hazard presents a threat of death or serious injury to employees.
- **Warning** which shall be used to indicate a hazardous situation which, if not avoided, could result in death or serious injury.
- **Caution** which shall be used only to indicate a hazardous situation which, if not avoided, could result in minor or moderate injury.
- **Notice** is the preferred signal word to address practices not related to personal injury.
Safety Color Code for Marking Physical Hazards

3. Accident prevention signs and tags are posted where necessary, and of the correct type and color.

- A compliant rating would indicate that signage was in place and met the requirements of the Contractor and OSHA.
3. Accident prevention signs and tags are posted where necessary, and of the correct type and color.

- A non compliant rating would indicate that appropriate signage was not in place or did not meet the requirements of the contractor and/or OSHA.
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.

SAFETY COLOR CODE FOR MARKING PHYSICAL HAZARDS

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