

Shop Topics Back Safety (002-SG)

Study Guide

According to the U.S. Bureau of Labor Statistics, approximately how many eye injuries occur in the workplace daily in the United States?

[Roughly 20,000.](#)

What are three negative outcomes that can result from workers failing to wear proper eye protection?

[Lost productivity, medical expenses, and long-term disability.](#)

Which organization sets the requirements for eye and face protection, including standards for impact resistance and optical clarity?

[The American National Standards Institute \(ANSI\).](#)

Workplace hazards like metal shavings, wood chips, and dust that can strike or scrape the eye belong to which category of injury causes?

[Flying Particles & Debris.](#)

What category of eye injury is caused by exposure to industrial chemicals, cleaning agents, or welding sparks?

[Chemical & Thermal Burns.](#)

An eye injury caused by a direct impact from a larger object or a tool is classified as what type of trauma?

[Blunt Force Trauma.](#)

Damage to vision over time from UV rays from welding or lasers is categorized as what type of hazard?

[Radiation Exposure.](#)

What type of eye hazard can result from blood splashes, coughing, or touching the eyes with dirty hands?

[Infections & Contamination.](#)

For general protection against flying debris, what specific type of safety glasses should be chosen?

[Safety glasses with side shields.](#)

To protect against chemical splash hazards, workers should elect to use ____.

[goggles](#)

What type of personal protective equipment is recommended for high-impact tasks such as grinding or welding?

[Face shields.](#)

To prevent UV exposure during welding, what piece of specialized equipment with proper shading must be used?

[A welding helmet.](#)

What is a key requirement for the proper fit of protective eyewear?

[It must fit securely without obstructing vision.](#)

What maintenance practice should be performed regularly on protective eyewear?

[It should be cleaned and disinfected.](#)

Under what condition must protective eyewear be replaced?

[It must be replaced if it is scratched or damaged.](#)

Why is it crucial to replace scratched or damaged protective lenses?

[Because compromised lenses reduce the eyewear's effectiveness.](#)

Employers must ensure compliance with OSHA's General Industry Standard _____, which mandates adequate eye and face protection.

[29 CFR 1910](#)

Protective eyewear must meet _____ standards to ensure impact resistance, optical clarity, and durability.

[ANSI Z87](#)

What is a critical rule regarding the use of safety glasses in designated hazardous areas?

[Never remove safety glasses in hazardous areas.](#)

To prevent infections, what behavior involving hands and eyes should workers always avoid?

[Avoid rubbing eyes with dirty hands.](#)

When working with chemicals, what measure should be used to prevent irritating fumes from reaching the eyes?

[Proper ventilation.](#)

What is the primary goal of conducting frequent safety briefings and hands-on demonstrations?

[To reinforce best practices and keep workers aware of potential hazards.](#)

The final thoughts of the document state that eye and face injuries are _____ with the right precautions, training, and awareness.
[preventable](#)