



Actions to be taken

CLASS 3B OR 4 LASER ACCIDENT

Artificial Optical Radiation (AOR)

IMMEDIATE ACTIONS

In case of eye damage

- **Close the affected eye**, cover it with a compress (possibly damp).
- **Consult an ophthalmologist urgently**, even in the absence of symptoms (assessment after work accident).

In case of skin burn

- **Cool with clear water from the tap or the security shower** for at least **15 minutes** (remove loose clothing).

In both cases

- **Stop the laser.**
- **Report** the class, wavelength, emission mode (speed, cadence) and power, wearing PPE.

IN ANY CASE

- **Declare the accident** (medical certificate required).
- **Inform your safety manager immediately.**
- All injuries are to be reported using the **occupational health and safety logbook**.
- Report all incidents to the **Occupational Health Doctor** for investigation and follow-up.

PROTECTION MEASURES

- **Prior** medical examination then special medical surveillance.
- **Initial** ophthalmological examination (cornea, lens, retina).
- **Laser safety representative (RSL), job instructions, individual exposure sheet (FIEROA).**
- Appropriate **information** and **formation** beforehand and specific compulsory initial and continuing training.
- **Standards** NF EN 60825-1, NF EN 207 et NF EN 208.
- **Collective protection equipment (CPE):** confinement (hood), access control, exclusion zone, ambient lighting.
- **Personal protection equipment (PPE):**
 - **Appropriate**, specific protective glasses, masks or face shields in **good condition**.
 - Closed blouse, no jewelry, watch, tools, pen, belt buckle, metal zipper...
 - Non-flammable protective gloves (if compatible with the research protocol).
- **Signaling** (pictogram, light/sound indicator).

