



HSC Safety Tips No. (21)

1. Avoid eye or skin contact with cryogenics (e.g. liquid nitrogen) and/or dry ice. **ALWAYS** use appropriate eye protection.
2. **NEVER** handle dry ice and/or liquid nitrogen (LN₂) with bare hands. Use cryogenic gloves, which are designed specifically for working in freezers below -80°C and for handling containers or vials stored in these freezers. Cryogenic gloves need to be loose-fitting so that they can be readily removed if LN₂ splashes into them or a piece of dry ice falls into them.
3. **DO NOT** use or store dry ice and/or LN₂ in confined areas, walk-in refrigerators, environmental chambers or rooms without ventilation. A leak in such an area could cause an oxygen-deficient atmosphere. Also, **NEVER** store a cryogen in a sealed, airtight container at a temperature above the boiling point of the cryogen; the pressure resulting from the production of gaseous carbon dioxide or nitrogen may lead to an explosion.
4. **NEVER** place a cryogen on tile or laminated counters because the adhesive will be destroyed.
5. In case of exposure to cryogenics and/or dry ice, remove any clothing that is not frozen to the skin. **DO NOT** rub frozen body parts because tissue damage may result. Place the affected part of the body in a warm water bath (not above 40°C). **NEVER** use dry heat and **SEEK** medical assistance immediately.

