

Using Liquid Nitrogen

Let's stay safe at work!

Know the risks

- Extremely cold → **cryogenic burns**.
- Gas expansion → less oxygen → **asphyxiation risk**.
- Can **explode** if in improper or sealed containers, or when exposed to heat.

Work safely

- Use only **cryogenic-rated containers** with **pressure release valves**.
- Never store it in **sealed containers**.
- Store and use only in **well-ventilated areas**.
- Never handle with **bare hands**.
- Wear **cryogenic gloves** for dispensing.
- Always wear **eye protection or a face shield**.
- Dispense **below waist height**.
- Let unused liquid nitrogen **evaporate in ventilated areas**.



First aid for liquid nitrogen exposure

- **Skin:** Do not rub. Rinse with lukewarm water.
- **Eyes:** Rinse with water immediately, remove contact lenses if present, and flush for 15 minutes (use an eyewash station when possible).
- **Inhalation:** Move to fresh air. Keep the area of the spill ventilated (e.g., door open).



scan to learn more

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