

Safety Notice – Liquid Nitrogen (Non-flammable, non-toxic gas; class 2.2)

See Safety Data Sheet P-4630 on Praxair.com for Nitrogen, refrigerated liquid.

Do not handle, store or transport until safety precautions have been read and understood.

Liquid Nitrogen is a cryogenic liquid and is extremely cold at -320 degrees. Cryogenic liquid causes severe frostbite, a burn-like injury. Liquid nitrogen is colorless, odorless and non-flammable. Nitrogen gas is an asphyxiant in high concentrations. May displace oxygen and cause rapid suffocation. Use and store only in a well-ventilated area. Wear insulated cryogen protective gloves and other protective clothing (face shield, eye protection, close-toed shoes) when handling product.

Care should be exercised to avoid contact with skin or other tissue. The extremely cold temperatures of cryogenic liquids can rapidly freeze human tissue. Never let anything cooled in liquid nitrogen touch your bare skin because your skin will freeze to it instantaneously. Always use tongs or forceps to remove items from the nitrogen storage container. A liquid nitrogen tank must be stored and used only in an area that is fully ventilated. Containers should be stored away from air intakes, high traffic areas, floor drains and other underground openings. Gas will be heavier than air and will accumulate in low-lying areas. A small spill of liquid will produce a large volume of gas, which will change the conditions of the ambient environment in a confined space very quickly. Nitrogen gas is extremely cold and your eyes can be damaged by exposure to this gas even when the contact is too brief to freeze the skin.

Always keep liquid container upright during storage, transportation and use. Protect portable tanks from physical damage; do not drag, roll, slide or drop. When moving the liquid container, always keep upright.

Transportation of portable tanks – Avoid transport where the load space is not separated from the driver's compartment. Never transport tanks in a closed vehicle. Before transporting product containers: 1. Ensure vehicle driver is aware of the safety precautions and potential hazards and knows what to do in the event of an accident or an emergency. 2. Ensure there is adequate ventilation; 3. Ensure that containers are firmly secured; 4. Ensure tank cover plug is inserted correctly, not loose and not leaking; 5. Ensure tank cover is securely sealed and locked.