



**ENVIRONMENTAL
HEALTH & SAFETY**

HAZARDOUS MATERIAL FACT SHEET

Liquid Nitrogen Transportation

Liquid nitrogen is nitrogen in a liquid state and is colorless, odorless, nonflammable, noncorrosive, and extremely cold. Spilled liquid nitrogen can cause burns and will vaporize quickly.

While nitrogen is not poisonous, (air is about 78% nitrogen and 21% oxygen), if sufficient liquid nitrogen is spilled from a dewar into a poorly ventilated space, it can reduce the oxygen percentage to below 20% causing oxygen deprivation and asphyxiation without warning.

Therefore, please follow this guidance when transporting liquid nitrogen dewars.

Transportation

- Liquid nitrogen dewars should be used up to the lowest level of liquid nitrogen possible, prior to transport.
- Only use freight elevators to transport liquid nitrogen dewars.
- Never ride in an elevator with a liquid nitrogen dewar.
- Place a sign the freight elevator while transporting. (see page 2 of this document)
- Make arrangements for someone to send the elevator to a receiving person, waiting on the desired floor.

Updated 04/2021

Please call 402.554.3596 or
email uno.ehs@nebraska.edu with any questions

CAUTION:

**CRYOGENIC
LIQUIDS BEING
MOVED.**

DO NOT

ENTER

ELEVATOR!!