



ENVIRONMENTAL HEALTH  
AND SAFETY

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## HAZARDOUS MATERIAL FACT SHEET

### Liquid Nitrogen Transportation

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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.

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Please call 402.559.6356 or  
email [unmcehs@unmc.edu](mailto:unmcehs@unmc.edu) with any questions

**CAUTION:**

**CRYOGENIC  
LIQUIDS BEING  
MOVED.**

**DO NOT**

**ENTER**

**ELEVATOR!!**