

Standard Operating Procedure for Use of Liquid Nitrogen

WARNING! Liquid nitrogen is extremely cold! It presents significant burn and asphyxiation hazards! Only use with proper protective equipment!

- 1) Liquid nitrogen is stored in the large 50 lb dewar behind the glove box
- 2) Use burn proof gloves at all times when handling liquid nitrogen
- 3) Pour liquid nitrogen into dewars that have been cured previously by low temperatures

WARNING! Liquid nitrogen can condense liquid oxygen, keep fumes away from any flame or spark source while in use!

- 4) When using liquid nitrogen, only use dewars to contain the liquid nitrogen, any other container can crack under the extreme cold
- 5) Keep liquid nitrogen covered as to prevent molecular oxygen fumes from escaping and to retain liquid nitrogen for longer periods of time
- 6) Any remaining liquid nitrogen should be returned to the large dewar

CAUTION! Dewars that are used for containing liquid nitrogen are under vacuum, handle with care!