date:

06.12.2009

Safety Instructions for the use of Liquid Nitrogen (LN₂)

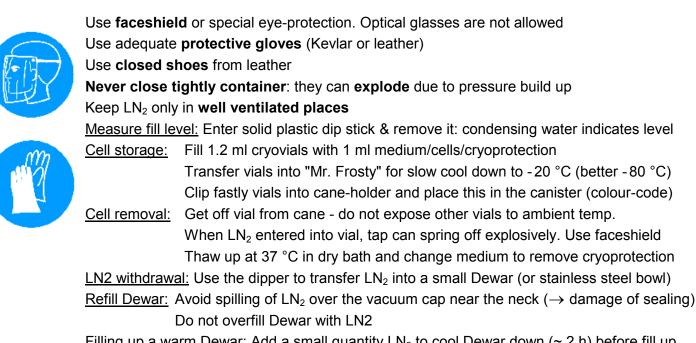


Hazards for Humans and Environment



Eye contact already **with vapor** may cause a **stinging sensation Skin contact** with liquid or cold metal **cause freezing** / **frostbites** of exposed tissue Act as **asphyxian**: May cause dizziness, unconsciousness, excitation, headaches. Affected persons do not feel asphyxiation

Protective Measures and Rules of Behaviour



Filling up a warm Dewar: Add a small quantity LN₂ to cool Dewar down (~ 2 h) before fill up

In Case of Emergency (2 066)

Contact with:



... clothes:Take off immediately all contaminated clothing (S 27). Ventilate contaminated clothes... skin:Treat for frostbite by gently warming affected areas... eyes:Rinse eyes immediately for at least 15 min (eye shower), seek medical advice (S 26)

Inhalation: Remove victim to fresh air, calm him/her down, seek medical advice

Waste

LN₂ can be filled back into the storage Dewar or let it evaporate in a well ventilated place