

# Danger avoidance while handling liquid nitrogen

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## Activity

Working on containers filled with liquid nitrogen



Nitrogen, deep cold, liquified, danger note 2.2  
Not flammable, not poisonous gases.

## Charcteristics

Colorless, smellless and liquid. Liquid nitrogen is evaporated fast, deep cold and forms fog.



The contact of the skin or the eyes with liquid nitrogen or cold gas produces burn-like frost injuries.



Works suffocating by oxygen displacement without noticeable signs.

## Behavior

Nitrogen-cooled objects may never have contact with unprotected parts of the body.



When working on freezers and filling dewars with liquid nitrogen **face and hand protections** must be weared.



The nitrogen storage area may be entered only with a oxygen concentration over 18% of volume.

## Emergency

Call safety and emergency personell

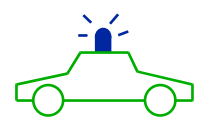
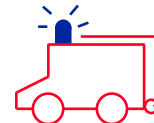


**What** happend?

**When** did it happen?

**How** many people are hurt?

**Who** announced the incident?



## First Aid



Bring out unconscious persons immediately to fresh air. Parts of the body moistened with liquid nitrogen thaw out with much water, remove clothes carefully. Do not rub frozen skin.