

# Liquid Nitrogen Safety Infographic



## SAFE USE OF LIQUID NITROGEN

IN FOOD AND BEVERAGE SERVICE ENVIRONMENTS

**WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE)**

FACE SHIELD

SAFETY GLASSES OR SAFETY GOGGLES

INSULATED GLOVES (TYPICALLY LEATHER)

CLOTHING THAT COVERS THE SKIN AND DOES NOT HAVE CUFFS OR FOLDS THAT COULD TRAP SPILLED CRYOGENIC LIQUID

**NEVER CONSUME LIQUID NITROGEN DIRECTLY**

⌚ LIQUID NITROGEN IS -321 F (-196 C) AND CAN FREEZE HUMAN TISSUE ON CONTACT. IF SWALLOWED, THE LIQUID CAN CAUSE SERIOUS INJURY OR DEATH.

⊗ DO NOT CONSUME ANY AMOUNT OF LIQUID NITROGEN.

**ONLY USE CONTAINERS & EQUIPMENT DESIGNED FOR CRYOGENIC LIQUIDS**

⌚ MATERIALS THAT ARE NOT DESIGNED FOR CRYOGENIC SERVICE, SUCH AS GLASS OR PLASTIC, CAN SHATTER WHEN EXPOSED TO LIQUID NITROGEN.

✓ ALWAYS USE APPROPRIATE CONTAINERS AND POUR LIQUID NITROGEN SLOWLY TO MINIMIZE THERMAL SHOCK AND SPLASHING.

**NEVER TRAP LIQUID NITROGEN IN A CONTAINER, TUBING, OR PIPING**

⌚ AS THE LIQUID WARMS AND CONVERTS TO GAS, THE PRESSURE RISES, AND CONTAINERS THAT ARE NOT EQUIPPED WITH ADEQUATE VENTS CAN CATASTROPHICALLY RUPTURE.

⊗ NEVER PUT LIQUID NITROGEN IN A CONTAINER NOT DESIGNED FOR CRYOGENIC SERVICE.

**USE LIQUID NITROGEN IN WELL-VENTILATED AREAS**

⌚ WHEN LIQUID NITROGEN IS EXPOSED TO WARMER AIR, IT RAPIDLY TURNS INTO GAS AND CAN QUICKLY DISPLACE THE AIR IN THE ROOM, CREATING A RISK OF OXYGEN DEFICIENCY AND ASPHYXIATION.

✓ AIR MONITORING IS RECOMMENDED.

Source: <https://www.cganet.com>