

# NITROGEN

Chemical Names:

Nitrogen

Chemical Family:

Inert Gas

Components - May Contain Variable Amounts of:

N/A - usually pure product

Extinguishing Media:

Non Flammable

Special Fire Fighting Procedures and Precautions:

Non Flammable

Fire and Explosion Hazards:

None

Special Precautions:

Nitrogen is odorless and nontoxic, but may produce suffocation by diluting the concentration of oxygen in air below levels necessary to support life. Personnel, including rescue workers should not enter areas where the oxygen concentration is below 19%, unless provided with a self-contained breathing apparatus. **Caution: respirators will not function. Use may result in asphyxiation.**

Health Hazards:

Extensive tissue damage or freeze burns may result from exposure to liquid nitrogen or cold nitrogen vapors. Exposure to oxygen deficient atmospheres may produce dizziness, nausea, vomiting, loss of consciousness and death. Death may result from errors in judgment, confusion or loss of consciousness which prevents self-rescue. At low oxygen concentrations, unconsciousness and death may occur in seconds without warning. **Do NOT depend on sense of smell for high concentration warning - Nitrogen is odorless, colorless and tasteless.**