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Nitrogen Pressurized Cylinders - September 1999

Section 1 - Name & Hazard Summary

Material name: Nitrogen Pressurized Cylinders

Manufacturer: Badger Fire Protection Phone (804) 973-4361

Section 2 - Ingredients

LD50: N/A **LC50:** N/A **Other Exposure Limits:** N/A **CAS No:** N/A

These cylinders contain Nitrogen (CAS No. 7727-37-9). The cylinders function as a remote release for certain fire suppression systems. Nitrogen is not a controlled product and is not on the Ingredient Disclosure List.

The Cylinders are pressurized. Although unlikely to occur, a cylinder could be propelled and cause bodily injury and/or property damage if the valve is broken due to improper handling or storage. Also, if a cylinder is over-pressurized, exposed to direct heat, or receives severe physical impact, it could discharge or rupture causing bodily injury and/or property damage. See below for information concerning the potential physical hazards associated with compressed gases.

Section 3 - Physical Data

Boiling point: N/A **Vapor density Air = 1):** N/A

Solubility in water: N/A **Appearance and odor:** N/A

Specific gravity (H2O=1): N/A **Evaporation Rate:** N/A

Reactivity in Water: N/A **Freezing Point:** N/A

Vapor Pressure (mm Hq): N/A **pH:** N/A

Section 4 - Fire and Explosion Hazard Data

Flash point: N/A **Auto-Ignition temp.:** N/A

Special Fire Fighting Procedures: N/A **LFL Lower:** NA

Extinguisher Media: N/A **UFL Upper:** N/A

Unusual Fire and Explosion Hazards: N/A - See Sections 2 and 7.

Section 5 - Reactivity Data

Stability: Stable

Conditions to Avoid: Direct heat and severe impact to pressurized cylinder.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: None established.

Incompatibility (Materials to Avoid): N/A **Conditions to Avoid:** N/A

Section 6 - Health Hazard Assessment

Acute: N/A **Chronic:** N/A **Signs and Symptoms of Exposure:** N/A

Medical Conditions Generally Aggravated by Exposure: N/A

Chemical Listed as Carcinogen or Potential Carcinogen: I.A.R.C. Monographs: No

Reproductive Toxicity: N/A **Teratogenicity:** N/A **Mutagenicity:** N/A

Toxicologically Synthetic Products: N/A

Routes Of Entry: 1. **Inhalation:** N/A 2. **Eyes:** N/A 3. **Skin:** N/A 4. **Ingestion:** N/A

Section 7 - Spill or Leak Procedures

Precautions to be Taken in Handling and Storage: Handle, transport and store carefully and securely to avoid accidental knocking over or other severe physical impacts. Do not expose to direct heat sources. Do not over pressurize.

Other Precautions: Valve caps, safety plugs, and/or pull pins should remain on cylinders not connected for use.

Steps to be Taken in Case Material is Released or Spilled: Not Applicable. Cylinders should be refilled only by trained and qualified personnel.

Waste Disposal Methods: Respiratory Protection: N/A

Ventilation: Good Ventilation **Local Exhaust:** N/A **Mechanical (General):** N/A

Special: N/A **Other:** N/A

Protective Gloves: N/A

Eye Protection: Eye protection is recommended when handling cylinders.

Other Protective Clothing or Equipment: N/A

Section 8 - Special Protection Information

First Aid Procedures: In the event physical injury, take appropriate first aid or medical measures.

Note: This Material Safety Data Sheet (MSDS) addresses the hazards associated with compressed gas only. In each instance where the letters NA or words not Applicable are used, it means NA, with respect to compressed gas or Not Applicable, with respect to compressed gas.