

M.S.D.S.

GASTECH

The Trusted Name In Gas Detection

Manufacturer Info

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GasTech reference #: 63

Product: Nitrogen

Date prepared: 6/11/93

I HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Common Name	CAS #	OSHA PEL	ACGIH TLV	%
Nitrogen (N ₂)	7727379	Not Established	Not Established*	100%

*Nitrogen is a "simple asphyxiant" without other adverse effects.

Regulatory Chemical Lists:

For Nitrogen

Carcinogenicity: NO

EHS: NO

CERCLA: NO

SARA 313 Toxic Chemical: NO

TSCA Inventory: YES

II PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: NA

Vapor Pressure (mm Hg): NA

Melting Point: NA

Vapor Density (air = 1): 0.97

Specific Gravity: NA

Solubility (25 C): Slight

Physical State: Gas

Evaporation Rate: NA

Odor and appearance: Colorless, odorless

III FIRE AND EXPLOSION HAZARD DATA

Flash Point: NA

NFPA 704M rating: 1-0-0

Flammable Limits: Nonflammable

LEL: NA
UEL: NA

Extinguishing Media: Use methods appropriate to surrounding fire.

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: Compressed gas cylinders may explode in heat of fire. Withdraw immediately in case of rising sound from venting safety device.

IV REACTIVITY DATA

Stability : Stable

Conditions to avoid: None identified

Incompatible materials: None identified

Hazardous Decomposition or Byproducts: None identified

Hazardous Polymerization: Will not occur

V HEALTH HAZARD DATA

Routes of Exposure: Inhalation

Target organs: Respiratory system

Effects of Overexposure (acute & chronic):

Acute: asphyxiation, dizziness, headache, paresthesia,
unconsciousness, death

Chronic: Acute effects may become chronic

Suggested Emergency & First Aid Procedures:

Respiratory: Provide fresh air or oxygen and consult physician

Medical Conditions Generally Aggravated by Exposure: None identified

VI CONTROL MEASURES

Respiratory Protection: None necessary provide adequate ventilation is provided

Ventilation: Recommended

Eye/Skin Protection:

Skin protection not required
Safety glasses recommended

VII PRECAUTIONS FOR STORAGE AND HANDLING

Handling Precautions: Use safe handling practices for the handling of compressed gas cylinders. Do not puncture.

Storage Precautions: Store in a cool, dry area. Use safe storage practices for the storage of compressed gas cylinders.

Exposure to temperatures above 150 degrees F may operate excess-pressure valve.

VIII SPILL & DISPOSAL PROCEDURES

Steps to be taken in case material is released or spilled: Evacuate and ventilate area.

Waste Disposal Method: Empty containers may be discarded as metal refuse, observing federal, state, and local regulations. Do not incinerate.

IX ADDITIONAL INFORMATION

The information in this material safety data sheet meets the requirements of 29 CFR 1910.1200. It is intended only as a guide to the appropriate precautionary handling of the material by a person trained in, or supervised by a person trained in, hazardous materials handling. The employer is responsible for determining the precautions and dangers of this material for specific applications of the product.

This product has not been tested as a whole by Gas Tech, Inc. Information is provided, at a minimum, on constituents which have been determined to be health hazards, and which comprise 1% or greater of the composition, except that substances identified as carcinogens shall be listed if the concentrations are 0.1% or greater.

This information contained herein is based on the data available to us and is believed to be correct. However, GasTech makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. GasTech assumes no responsibility for illness, injury, or death from the proper or improper use of the product described herein.