

GAS EQUIPMENT ENGINEERING CORPORATION -- NITROGEN (PRIMARY) CALIBRATION GAS MIXTURE -- 6830-01-025-5437

===== Product Identification =====

Product ID:NITROGEN (PRIMARY) CALIBRATION GAS MIXTURE

MSDS Date:03/01/1990

FSC:6830

NIIN:01-025-5437

MSDS Number: BJNYQ

=== Responsible Party ===

Company Name:GAS EQUIPMENT ENGINEERING CORPORATION

Address:1240 ORONOQUE ROAD

Box:2-237

City:MILFORD

State:CT

ZIP:0

6460-1728

Country:US

Info Phone Num:203-878-4123

Emergency Phone Num:203-878-4123

CAGE:96101

=== Contractor Identification ===

Company Name:GAS EQUIPMENT ENGINEERING CORP.

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City:MILFORD

State:CT

ZIP:06460-1728

Country:US

CAGE:96101

===== Composition/Information on Ingredients =====

Ingred Name:NITROGEN

CAS:7727-37-9

RTECS #:QW9700000

Fraction by Wt: >98% %

Other REC Limits:NONE SPECIFIED

ACGIH TLV:ASPHYXIAN; 9192

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===== Hazards Identification =====

LD50 LC50 Mixture:NOT PROVIDED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:NITROGEN IS A SIMPLE ASPHYXIAN.

EFFECTS OF EXPOSURE TO HIGH CONCENTRATIONS SO AS TO DISPLACE THE OXYGEN IN THE AIR WOULD BE OXYGEN DEPRIVATION, SUFFOCATION AND DEATH.

Explanation of Carcinogenicity:PRODUCT CONTAINS NO MATERIALS CURRENTLY

CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure:SIGNS OF OVEREXPOSURE MAY INCLUDE LOSS OF BALANCE OR DIZZINESS, TIGHTNESS IN THE FRONTAL AREA OF THE FOREHEAD, TINGLING OF THE TONGUE, FINGERTIPS OR TOES, WEAKENED SPEECH LEADING TO THE INABILITY TO UTTER SOUNDS, RAPID REDUCTION IN ABILITY TO PERFORM MOVEMENTS, REDUCED CONSCIOUSNESS OF SURROUNDINGS, LOSS OF TACTILE

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====

First Aid:PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF CASES OF OVEREXPOSURE TO NITROGEN. INHALATION: CONSCIOUS PERSONS SHOULD BE ASSISTED TO AN UNCONTAMINATED AREA AND INHALE FRESH AIR. QUICK REMOVAL FROM THE CONTAMINATED AREA IS MOST IMPORTANT. UNCONSCIOUS PERSONS SHOULD BE MOVED TO AN UNCONTAMINATED AREA, GIVEN MOUTH-TO-MOUTH RESUSCITATION AND SUPPLEMENTAL OXYGEN. GET IMMEDIATE MEDICAL ATTENTION

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===== Fire Fighting Measures =====

Extinguishing Media:NONFLAMMABLE, INERT GAS

Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

===== Accidental Release Measures =====

Spill Release Procedures:RESCUE PERSONNEL SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS. EVACUATE ALL PERSONNEL FROM AFFECTED AREA.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER

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===== Handling and Storage =====

Handling and Storage Precautions:USE ONLY IN WELL VENTILATED AREAS.

VALVE PROTECTION CAPS MUST REMAIN IN PLACE UNLESS CONTAINER IS SECURED WITH VALVE OUTLET PIPED TO USE POINT.

Other Precautions:DO NOT DRAG, SLIDE OR ROLL CYLINDERS. USE A PRESSURE REDUCING REGULATOR WHEN CONNECTING CYLINDER TO LOWER PRESSURE PIPING OR SYSTEMS. DO NOT HEAT CYLINDER. USE A CHECK VALVE OR TRAP IN THE DISCHARGE LINE TO PREVENT HAZARDOUS BACKFLOW.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:POSITIVE PRESSURE AIR LINE WITH MASK OR SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR EMERGENCY USE.

Ventilation:LOCAL EXHAUST TO PREVENT ACCUMULATION OF HIGH CONCENTRATIONS SO AS TO REDUCE THE O₂ LEVEL IN THE AIR TO < 1 MOLAR %.

Protective Gloves:RECOMMENDED.

Eye Protection:SAFETY GOGGLES OR GLASSES.

Other Protective Equipment:SAFETY SHOES.

Work Hygiene

Practices:USE A SUITABLE HAND TRUCK FOR CYLINDER MOVEMENT.

Supplemental Safety and Health

PROTECT CYLINDERS FROM PHYSICAL DAMAGE. STORE IN COOL, DRY, WELL VENTILATED AREA AWAY FROM HEAVILY TRAFFICKED AREAS AND EMERGENCY EXITS. DO NOT ALLOW THE TEMPERATURE WHERE CYLINDERS ARE STORED TO EXCEED 130F. CYLINDERS SHOULD BE STORED UPRIGHT AND FIRMLY SECURED. USE "FIRST-IN/FIRST-OUT" INVENTORY SYSTEM.

===== Physical/Chemical Properties =====

HCC:G3

Boiling Pt:B.P. Text:321F,160C

Melt/Freeze Pt:M.P/F.P Text:-346F,-210C

Vapor Density:.072LB/FT³

Spec Gravity:.97

Solubility in Water:@68FCOEFFICIENT.0156

Appearance and Odor:COLORLESS, ODORLESS GAS

Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

===== Disposal Considerations =====

Waste Disposal Methods:DO NOT ATTEMPT TO DISPOSE OF WASTE OR UNUSED QUANTITIES. RETURN IN THE SHIPPING CONTAINER PROPERLY LABELED, WITH ANY VALVE OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN PLACE.

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