

C F C RECLAMATION AND RECYCLING SERVICE INC -- HIGH PURITY NITROGEN --  
6830-01-168-8488

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

Product ID:HIGH PURITY NITROGEN

MSDS Date:01/01/1995

FSC:6830

NIIN:01-168-8488

MSDS Number: CGMXR

=== Responsible Party ===

Company Name:C F C RECLAMATION AND RECYCLING SERVICE INC

Address:318 N TREADAWAY

Box:560

City:ABILENE

State:TX

ZIP:79604

Country:US

Info Phone Num:915-

675-5311

Emergency Phone Num:915-675-5311

CAGE:0XXK5

=== Contractor Identification ===

Company Name:C F C RECLAMATION AND RECYCLING SERVICE INC

Address:318 N TREADAWAY

Box:560

City:ABILENE

State:TX

ZIP:79604

Country:US

Phone:9150-675-5311 FAX: 915-675-5324

CAGE:0XXK5

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

Ingred Name:NITROGEN

CAS:7727-37-9

RTECS #:QW9700000

Fraction by Wt: >99.97%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:ASPHYXIAN; 9596

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Hazards Identification =====

LD50 LC50 Mixture:NOT RELEVANT

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

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

Health Hazards Acute and Chronic:TARGET ORGANS:RESPIRATORY SYSTEM.

ACUTE- NITROGEN IS NONTOXIC BUT CAN PRODUCE SUFFOCATION BY  
DISPLACING OXYGEN. PROLONGED INHALATION OF HIGH CONCENTRATIONS CAN  
CAUSE UNCONSCIOUSNESS, CONVULSIVE MOVEMENTS, POSSIBLE DEATH. THIS  
PRODUCT IS A GAS. CANNOT BE SWALLOWED

OR CONTACTED. CHRONIC- NONE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:DIZZINESS, TIGHTNESS IN FRONTAL AREA OF  
FOREHEAD, TINGLING OF TONGUE, FINGERTIPS OR TOES, WEAKENED SPEECH  
LEADING TO INABILITY TO UTTER SOUNDS; RAPID REDUCTION IN ABILITY TO  
PERFORM MOVEMENTS, REDUCED CONSCIOUSNESS OF SURROUNDINGS,  
RINGING IN EARS, HEADACHE, NAUSEA, VOMITING, BLUE SKIN COLOR,  
UNCONSCIOUSNESS, DEATH

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

First

First Aid:PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF  
OVEREXPOSURE. RESCUE PERSONNEL SHOULD WEAR SELF-CONTAINED BREATHING  
APPARATUS. INHALED:REMOVE TO FRESH AIR. PROVIDE OXYGEN/CPR IF  
NEEDED. EYE/SKIN /ORAL:UNLIKELY (GAS)

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

Flash Point:NONE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY  
CHEMICAL FOR SURROUNDING FIRE. KEEP FIRE-EXPOSED CYLINDERS COOL  
WITH WATER.

Fire Fighting Procedures:AS WITH ANY FIRE, WEAR PROTECTIVE CLOTHING AND  
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS IF NEEDED.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE  
APPROPRIATE PROTECTIVE EQUIPMENT. VENTILATE AREA. IF LEAK IS FROM  
CYLINDER OR ITS VALVE, CONTACT YOUR SUPPLIER. THE ATMOSPHERE MUST  
HAVE AT LEAST

T 19.5% OXYGEN BEFORE PERSONNEL CAN BE ALLOWED IN THE AREA.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE CYLINDERS UPRIGHT, SECURE, IN COOL, DRY, VENTILATED AREA BELOW 125F. PROTECT FROM PHYSICAL DAMAGE. FULL & EMPTY CYLINDERS SHOULD BE SEGREGATED.

Other Precautions:BE AWARE THAT EXPOSURES TO FATAL CONCENTRATIONS OF NITROGEN COULD OCCUR WITHOUT ANY SIGNIFICANT WARNING SYMPTOMS. USE

A "FIRST IN-FIRST OUT" INVENTORY SYSTEM. CLOSE VALVE AFTER EACH USE AND WHEN EMPTY .

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

Respiratory Protection:IF OXYGEN LEVEL IS BELOW 19.5%, USE NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED AIR RESPIRATOR, OPERATED IN POSITIVE PRESSURE MODE.

Ventilation:ADEQUATE

Protective Gloves:LEATHER WHEN HANDLING CYLINDERS

Eye Protection:GOGGLES/GLASSES RECOMMENDED

Other Protective Equipment:SAFETY SHOES WHEN HANDLING CYLINDERS

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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

HCC:G3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:-320F,-196C

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

Vapor Density:0.97

Spec Gravity:0.8083 (LIQUID)

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT (GAS)

Solubility in Water:VERY SLIGHT

Appearance and

Odor:COLORLESS, ODORLESS GAS  
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES  
NONE  
Stability Condition to Avoid:HEATING CYLINDER (OVER 125F/52C)  
Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND  
FEDERAL REGULATIONS. DO NOT ATTEMPT TO DISPOSE OF RESIDUAL OR  
UNUSED QUANTITIES. RETURN IN THE SHIPPING CONTAINER PROPERLY  
LABELED, WITH ANY VALVE OR CAPS SECURED TO YOUR SUPPLIER FOR  
PROPER DISPOSAL.

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