

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

=====

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

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 BE KEPT 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.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.