

C F C RECLAMATION AND RECYCLING SERVICE INC -- NITROGEN -- 6830-01-391-5033

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

Product ID:NITROGEN

MSDS Date:01/01/1995

FSC:6830

NIIN:01-391-5033

MSDS Number: CHMGK

=== 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:9150-675-5311

Emergency Phon

e Num:9150-675-5311

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

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:ASPHYXIAN; 9394

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

=

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 ASPHYXIANT.
NITROGEN UNDER HIGH PRESSURE CAN PRODUCE NARCOSIS.LIQUID NITROGEN
CAN CAUSE FREEZE BURNS.
Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS
LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.
Effects of Overexposure:INHALATION:TINGLING OF THE TONGUE,FINGERTIPS
AND TOES,WEAKENED SPEECH,INABIL
ITY TO UTTER SOUNDS,RAPID REDUCTION
IN ABILITY TO PERFORM MOVEMENTS,REDUCED CONSCIOUSNESS OF
SURROUNDINGS,LOSS OF TACTILE SE NSATIONS,HEIGHTENED MENTAL
ACTIVITY.
Medical Cond Aggravated by Exposure:UNLIKELY TO AGGRIVATE EXISTING
MEDICAL CONDITIONS.

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

First Aid:INHALATION: REMOVE SUBJECT TO FRESH AIR. RESCUE WORKERS, WEAR
SCBA. GIVE OXYGEN/CPR AS NEEDED. NOTE TO PHYSICIAN: NO SPECIFIC
ANTIDOTE. TREATMENT
SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS
AND THE CLINICAL CONDITION.

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

Flash Point:NONFLAMMABLE
Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN
Extinguishing Media:NONFLAMMABLE. INERT GAS.
Fire Fighting Procedures:IF CYLINDERS ARE INVOLVED IN A FIRE, USE WATER
SPRAY TO COOL OR RELOCATE.
Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:E
VACUATE PERSONNEL. USE SELF-CONTAINED
BREATHING APPARATUS WHERE NEEDED. SHUT OFF LEAK IF WITHOUT RISK.
VENTILATE OR MOVE LEAKING CONTAINER TO WELL-VENTILATED AREA. TEST
AREA, ESPECIALLY CONFINED AREA S, FOR OXYGEN CONTENT PRIOR TO
PERMITTING REENTRY.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE ONLY IN WELL VENTILATED AREAS.
CONTAINS NITROGEN AT EXTREMELY HIGH PRES

SURE. CLOSE VALVE WHEN NOT
IN USE AND WHEN EMPTY.

Other Precautions:AVOID DRAGGING,ROLLING OR SLIDING CYLINDERS.USE HAND
TRUCK.STORE OUTSIDE.KEEP AWAY FROM HEAT,FLAMES AND COMBUSTIBLE
MATERIALS. KEEP AWAY FROM HEAVY TRAFFIC AREAS.AVOID EXPOSURE TO
SALT OR OTHER CORROS IVE CHEMICALS.REPLACE CAP WHEN NOT IN US

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

Respiratory Protection:USE SCBA IN OXYGEN-DEFICIENT ATMOSPHERES.
CAUTION! RESPIRATORS WILL NOT FUNCT
ION. USE MAY RESULT IN
ASPHYXIATION.

Ventilation:MECHANICAL (GENERAL) VENTILATION AND/OR LOCAL EXHAUST AS
NECESSARY.TEST ATMOSPHERE;MUST HAVE >18 MOLAR PERCENT OXYGEN.

Protective Gloves:LEATHER WORK GLOVES.

Eye Protection:SAFETY GLASSES.

Other Protective Equipment:OXYGEN MONITORING EQUIPMENT TO TEST FOR
OXYGEN DEFICIENT ATMOSPHERES. SAFETY SHOES FOR CYLINDER HANDLING.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER
BEFORE EATING, DRINKING, SMOKING OR USING TOILE
T FACILITIES.

Supplemental Safety and Health
NONE

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

HCC:G3

Boiling Pt:B.P. Text:302F,150C

Melt/Freeze Pt:M.P/F.P Text:-345F,-209C

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:0.97

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:SLIGHT

Appearance and Odor:COLORLESS, ODORLESS GAS

Percent Volatiles by Volume:GAS

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

Stability Indicator/Ma

terials to Avoid: YES

NONE

Stability Condition to Avoid: NONE

Hazardous Decomposition Products: NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods: VENT NITROGEN GAS SLOWLY TO A WELL VENTILATED OUTDOOR LOCATION REMOTE FROM WORK AREAS. DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER IN FULL COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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.