

DEFENSE SUPPLY CENTER RICHMOND, ATTN: DSCR-VBA -- NITROGEN, COMPRESSED, (SEE SUPPL) -- 4920-01-064-7990

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

Product ID:NITROGEN, COMPRESSED, (SEE SUPPL)

MSDS Date:09/27/2001

FSC:4920

NIIN:01-064-7990

Status Code:A

Kit Part:Y

MSDS Number: CLMPX

=== Responsible Party ===

Company Name:DEFENSE SUPPLY CENTER RICHMOND, ATTN: DSCR-VBA

Address:8000 JEFFERSON DAVIS HIGHWAY

Ci

ty:RICHMOND

State:VA

ZIP:23297-5607

Country:US

Info Phone Num:804-279-4371, DSN 695-4371

Emergency Phone Num:804-279-4371

Preparer's Name:DSCR-VBA

CAGE:SO004

=== Contractor Identification ===

Company Name:DEFENSE SUPPLY CENTER RICHMOND, ATTN: DSCR-VBA

Address:8000 JEFFERSON DAVIS HIGHWAY

Box:City:RICHMOND

State:VA

ZIP:23297-5607

Country:US

Phone:804-279-4371, DSN 695-4371

CAGE:SO004

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

Ingred Name:NITROGEN

CAS:7727-37-9

RTECS #:

QW9700000

= Wt:100.

Code:F

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: LUNGS, CNS. ACUTE- ASPHYXIAN. INHALATION: AT 2-3% CONCENTRATION, SYMPTOMS OF ASPHYXIA OCCURS; 3-5% CAUSES INCREASED RESPIRATION AND HEADACHE; UP TO 15% CAUSES UNCONSCIOUSNESS.

HIGHER C ONCENTRATIONS CAUSE RAPID

CIRCULATORY INSUFFICIENCY LEADING TO COMA AND DEATH. EYE/SKIN/ORAL: UNLIKELY (GAS). CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:HEADACHE, RAPID RESPIRATION, REDUCED CONSCIOUSNESS OF SURROUNDINGS, RINGING IN THE EARS, LOSS OF BALANCE OR DIZZINESS, TINGLING OF THE TONGUE, FINGERTIPS OR TOES, TIGHTNESS IN THE FRONTAL AREA OF THE FOREHEAD, WEAKENED SPEECH LEADING TO THE INABILITY TO UTTER SOUNDS, NAUSEA, UN CONSCIOUSNESS, 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:CYLINDERS MAY RUPTURE VIOLENTLY.

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

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE APPROPRIATE PROTECTIVE EQUIPM

ENT. VENTILATE AREA. IF LEAK IS FROM
CYLINDER OR ITS VALVE, CONTACT SUPPLIER. THE ATMOSPHERE MUST HAVE
AT LEAST 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 AND EMPTY CYLINDERS SHOULD BE SEGREGATED.

Other Precautions:AVOID BREATHING GASES. KEEP OUT OF REACH OF CHILDREN.
USE IN WELL VENTILATED AREA.

===== 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

THIS ENTRY DESCRIBES THE COMPRESSED NITROGEN, PART OF PRESSURE CONTROL
AND ACCESSORY GROUP FOR THE END ITEM: TEST SET FOR ACFT F-16.

===== 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 GAS - ODORLESS

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
NONE

Stability Condition to Avoid:HEATING CYLINDER

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods: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.

===== MSDS Transport Information =====

Transport Information:PROPER SHIPPING NAME: NITROGEN; UN 1066.

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