

NATIONAL WELDERS SUPPLY CO INC, NATIONAL SPECIALIY -- NITROGEN; NITROGEN  
COMPRESSED/ 5-30% CARBON -- 6830-01-050-0117

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

Product ID:NITROGEN; NITROGEN COMPRESSED/ 5-30% CARBON

MSDS Date:05/01/1990

FSC:6830

NIIN:01-050-0117

MSDS Number: BQWFX

=== Responsible Party ===

Company Name:NATIONAL WELDERS SUPPLY CO INC, NATIONAL SPECIALIY

Address:630 UNITED DR

City:DURHAM

S

tate:NC

ZIP:27713

Country:US

Info Phone Num:919-544-3772

Emergency Phone Num:800-866-4422

CAGE:0N9V1

=== Contractor Identification ===

Company Name:AIRGAS INC

Address:100 MATSONFORD RD SUITE 550

Box:City:WAYNE

State:PA

ZIP:19087

Country:US

Phone:215-687-5253

CAGE:0MN39

Company Name:NATIONAL WELDERS SUPPLY CO INC00

Address:630 UNITED DRIVE

Box:City:DURHAM

State:NC

ZIP:27713

Country:US

Phone:800-866-4422

CAGE:0N9V1

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

Ingred Name:

CARBON DIOXIDE  
CAS:124-38-9  
RTECS #:FF6400000  
Fraction by Wt: 10%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:5000 PPM  
ACGIH TLV:5000PPM/30000STEL;93

Ingred Name:NITROGEN  
CAS:7727-37-9  
RTECS #:QW9700000  
Fraction by Wt: TO 100%  
Other REC Limits:NONE SPECIFIED  
ACGIH TLV:ASPHYXIAN; 9192

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS NOT APPLICABLE.  
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 DEFINE AS A SIMPLE  
ASPHYXIAN. NITROGEN IS NONTOXIC BUT THE LIBERATION OF A LARGE  
AMOUNT IN A CONFINED AREA COULD DISPLACE THE AMOUNT OF OXYGEN IN  
AIR TO SUPPORT LIFE. 20-30% OF THESE CARB ON DIOXIDE/NITROGEN  
MIXTURES WHEN INHALED WITH ADEQUATE OXYGEN IN AIR WILL CAUSE AN  
INCREASE IN THE RESPIRATORY RATE.  
Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS  
LISTED BY IARC, NTP, OR OSHA AS A CA  
RCINOGEN.  
Effects of Overexposure:INHALED:HEADACHE,DIZZINESS,RAPID RESPIRATION  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF  
OVEREXPOSURE TO THESE MIXTURES. 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.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:NONFLAMMABLE, INERT GAS

Fire Fighting Procedures:IF CYLINDERS ARE INVOLVED IN A FIRE, SAFELY  
RELOCATE OR KEEP COOL WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:HEAT OF FIRE MAY CAUSE GAS CYLINDER TO  
VENT OR RUPTURE.

===== Accidental Release M  
asures =====

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE  
APPROPRIATE PROTECTIVE EQUIPMENT. IF LEAK IS IN CONTAINER OR  
CONTAINER VALVE, CONTACT YOUR CLOSEST SUPPLIER LOCATION OR CALL THE  
EMERGENCY NUMBER.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:USE ONLY IN WELL-VENTILATED AREAS.  
VALVE PROTECTION CAPS MUST REMAIN IN PLACE UNLESS CYLINDER IS

SECURED WITH VALVE OUTLET PIPED TO USE POINT.

Other Precautions:PROTECT CYLINDER FROM PHYSICAL DAMAGE. STORE IN COOL,  
DRY, WELL-VENTILATED AREA AWAY FROM HEAVILY TRAFFICKED AREA. DO NOT  
ALLOW THE TEMPERATURE WHERE CYLINDERS ARE STORED TO EXCEED 130F  
(54C). CYLINDERS SHOULD BE STORED UPRIGHT.

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

Respiratory Protection:USE SUPPLIED AIR RESPIRATOR IF EXPOSED ABOVE  
PEL/ TLV.

Ventilation:NORMAL ROOM VENTILATION IS  
SUFFICIENT. SUPPLEMENT WITH  
LOCAL EXHAUST IF PEL/TLV IS EXCEEDED.

Protective Gloves:WORK GLOVES FOR HANDLING CYLINDERS.

Eye Protection:APPROVED SAFETY GLASSES OR FACE SHIELD.

Other Protective Equipment:USE A SUITABLE HAND TRUCK FOR CYLINDER  
MOVEMENT.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES. USE PROPER CARE WHEN HANDLING AND STORING  
CYLINDERS.

Supplemental Safety and Health

THIS GAS MIXTURE OF CARBON DIOXIDE/NITROGEN IS FOR CALIBR

ATING BLOOD

GAS APPARATUS NSN 6630-01-063-2944.

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

HCC:G3

Appearance and Odor:COLORLESS GAS, NO ODOR

===== 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 TO YOUR SUPPLIER.

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.