

AIRCO, DIVISION OF THE BOC GROUP, INC. -- NITROGEN -- 6830-01-250-2888

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Product Identification
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Product ID:NITROGEN

MSDS Date:08/15/1989

FSC:6830

NIIN:01-250-2888

MSDS Number: BPZLR

=== Responsible Party ===

Company Name:AIRCO, DIVISION OF THE BOC GROUP, INC.

Address:575 MOUNTAIN AVENUE

City:MURRAY HILL

State:NJ

ZIP:07974

Country:US

Info Phone Num:201-464-8100

Emergency Phone Num:201-46

4-8100/800-424-9300(CHEMTREC)

CAGE:IO644

=== Contractor Identification ===

Company Name:AIRCO, DIVISION OF THE BOC GROUP, INC.

Address:575 MOUNTAIN AVENUE

City:MURRAY HILL

State:NJ

ZIP:07974

Country:US

Phone:201-464-8100

CAGE:IO644

Company Name:BOC GASES, A DIVISION OF THE BOC GROUP, INC

Address:575 MOUNTAIN AVENUE

Box:City:MURRAY HILL

State:NJ

ZIP:07974

Country:US

Phone:908-464-8100

CAGE:80382

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Composition/Information on Ingredients
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Ingred Name:NITROGEN

CAS:7727-3

7-9

RTECS #:QW9700000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:ASPHYXIAN; 9293

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===== 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 NONE TOXIC BUT IT IS A
SIMPLE ASPHYXIAN. NITROGEN UNDER HIGH PRESSURE CAN PRODUCE
NARCOSIS.

Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS

LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:INHALATION: DIZZINESS, TIGHTNESS IN FOREHEAD,
TINGLING OF TONGE, WEAKENED SPEECH, REDUCTION IN MOVEMENTS, LOSS OF
TACTILE SENSATION, HEIGHTENED MENTAL ACTIVITY, LOSS OF
CONSCIOUSNESS, AND DEATH. NONE OF THESE SYMPTOMS MAY OCCUR, SO
THERE MAY BE NO DEFINITE WARNING SYMPTOMS.

Medical Cond Aggravated by Exposure:NONE NOTED.

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

First Aid:INHAL

ATION: REMOVE SUBJECT TO FRESH AIR. RESCUE WORKERS, WEAR
SCBA. GIVE OXYGEN/CPR AS NEEDED. FURTHER TREATMENT SHOULD BE
SYMPTOMATIC AND SUPPORTIVE.

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

Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE
FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED
CONTAINERS WITH WATER SPRAY.

Unusua

I Fire/Explosion Hazard:HEAT OF FIRE MAY BURST NITROGEN
CYLINDERS.

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

Spill Release Procedures:VENTILATE ENCLOSED AREAS TO PREVENT FORMATION
OF OXYGEN-DEFICIENT ATMOSPHERES CAUSED BY THE RELEASE OF GASEOUS
NITROGEN. USE PROTECTIVE EQUIPMENT. IF LEAK IS IN EQUIPMENT, PURGE
PIPING. IF LEAK IS IN CONTAINER OR VALVE, CONTACT MANUFACTURER.

Neutralizing Agent:NONE APPLICABLE FOR THIS MATERIAL

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Handling and Storage =====

Handling and Storage Precautions:USE ONLY IN WELL VENTILATED AREAS.
CONTAINS PRESSURIZED NITROGEN. USE REGULATOR AND CHECK VALVE WHEN
CONNECTING TO PIPING. DO NOT HEAT CYLINDER.
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 CORROSIVE CHEMICALS.REPLACE CAP WHEN NOT IN USE

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

Respiratory Protection:USE SCBA IN OXYGEN-DEFICIENT ATMOSPHERES.
CAUTION! RESPIRATORS WILL NOT FUNCTION. USE MAY RESULT IN
ASPHYXIATION.
Ventilation:MECHANICAL (GENERAL) VENTILATION AND/OR LOCAL EXHAUST AS
NECESSARY.
Protective Gloves:LEATHER WORK GLOVES.
Eye Protection:SAFETY GLASSES.
Other Protective Equipment:OXYGEN MONITORING EQUIPMENT TO TEST FOR
OXYGEN DEFICIENT ATMOSPHERES.
Work Hygienic Practices:STANDARD HYGIENIC PRACTICES.
Supplemental Safety and Health
COMPRESSED GAS CYLINDERS SHOULD NOT BE REFILLED EXCEPT BY QUALIFIED
PRODUCERS OF COMPRESSED GASES. ** THIS NSN REPLACES CANCELLED NSN
6830-01-283-5384 **

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

HCC:G3
Boiling Pt:B.P. Text:-320F,-196C
Vapor Density:0.97
Solubility in Water:NEGLIGIBLE
Appearance and Odor:COLORLESS, ODORLESS GAS.

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

Stability

ty Indicator/Materials to Avoid: YES

NONE

Stability Condition to Avoid: HIGH HEAT, OPEN FLAMES.

Hazardous Decomposition Products: NONE.

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

Waste Disposal Methods: VENT NITROGEN GAS SLOWLY TO A WELL VENTILATED OUTDOOR LOCATION REMOTE FROM WORK AREAS. DO NOT DISPOSE OF RESIDUAL NITROGEN IN CYLINDERS. RETURN TO MANUFACTURER WITH RESIDUAL PRESSURE, VALVE TIGHTLY CLOSED, AND VALVE CAPS IN PLACE.

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