

AIR PRODUCTS & CHEMICALS,INDUSTRIAL GAS DIVISION -- NITROGEN -- 6830-01-122-2652
===== Product Identification =====

Product ID:NITROGEN
MSDS Date:06/01/1989
FSC:6830
NIIN:01-122-2652
MSDS Number: BHFYD
=== Responsible Party ===
Company Name:AIR PRODUCTS & CHEMICALS,INDUSTRIAL GAS DIVISION
Address:7201 HAMILTON BLVD
City:ALLENTOWN
State:PA
ZIP:18197-1501
Country:US
Info Phone Num:215-481-4911
Emer
gency Phone Num:800-523-9374/800-322-9092(PA)
CAGE:00742
=== Contractor Identification ===
Company Name:AIR PRODUCTS AND CHEMICALS INC
Address:7201 HAMILTON BLVD
Box:City:ALLENTOWN
State:PA
ZIP:18195-1501
Country:US
Phone:800-345-3148/ 800-752-1597
CAGE:00742

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

Ingred Name:NITROGEN
CAS:7727-37-9
RTECS #:QW9700000
Fraction by Wt: 100%
ACGIH TLV:ASPHYXIAN; 9192

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

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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.
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, NAUSEA, VOMITING, LOSS OF CONSCIOUSNESS, AND DEATH.
Medical Cond Aggravated by Exposure:NONE NOTE
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===== First Aid Measures =====

First Aid:INHALATION: REMOVE SUBJECT TO FRESH AIR. RESCUE WORKERS, WEAR SCBA. GIVE OXYGEN/CPR AS NEEDED.

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

Autoignition Temp:Autoignition Temp Text:NONE
Extinguishing Media:AS APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire/Explosion Hazard:CYLINDERS MAY EXPLODE IN HEAT OF FIRE.

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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.
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 NITROGEN AT EXTREMELY HIGH PRESSURE.HANDLE WITH CARE.
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

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

Respiratory Protection:USE SCBA IN OXYGEN-DEFICIENT ATMOS

PHERES.

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 HYGENIC PRACTICES.

Supplemental Safety and Health
NONE.

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

HCC:G3

Boiling Pt:B.P. Text:-320F,-196C

Melt/Freeze Pt:M.P/F.P Text:-346F,-210C

Vapor Density:0.07245

Spec Gravity:0.967

Solubility in Water:1.52%

Appearance and Odor:COLORLESS, ODORLESS GAS.

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

Stability Indicator/Materials to Avoid:YES

NONE.

Stability Condition to Avoid:NONE.

Hazardous Decomposition Products:NONE.

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

Waste Disposal Methods:VENT NITROGEN GAS SL

OWLY TO A WELL VENTILATED

OUTODOOR LOCATION REMOTE FROM WORK AREAS. DO NOT DISPOSE OF RESIDUAL NITROGEN IN CYLINDERS. RETURN TO MANUFACTURER WITH RESIDUAL PRESSURE, VALVE TIGHTLY C LOSED, AND VALVE CAPS IN PLACE.

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