

PRAXAIR INC. -- NITROGEN -- 6830-00-782-2641

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

Product ID:NITROGEN

MSDS Date:12/01/1992

FSC:6830

NIIN:00-782-2641

MSDS Number: BTHHV

=== Responsible Party ===

Company Name:PRAXAIR INC.

Address:39 OLD RIDGEBURY ROAD

City:DANBURY

State:CT

ZIP:06810-5113

Country:US

Info Phone Num:203-794-5782/800-424-9300(CHEMTREC)

Emergency Phone Num:203-794-5782/800-424-9300(CHEMTR  
EC)

CAGE:EO188

=== Contractor Identification ===

Company Name:PRAXAIR INC.

Address:39 OLD RIDGEBURY RD.

Box:City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Phone:203-794-5782

CAGE:EO188

Company Name:PRAXAIR, INC.

Address:39 OLD RIDGEBURY RD

Box:City:DANBURY

State:CT

ZIP:06810-5113

Country:US

Phone:800-772-9247; 800-PRAXAIR

CAGE:0LV01

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

Ingred Name:NITROGEN

CAS:7727-37-9

RTECS #:QW9700000

Fraction by Wt: 100%

Other REC Limits:NO

NE RECOMMENDED  
ACGIH TLV:ASPHYXIAN; 9293

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===== 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 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: MODERATE CONCENTRATIONS MAY CAUSE DIZZINESS, NAUSEA, VOMITING, LOSS OF CONSCIOUSNESS, AND DEATH.  
Medical Cond Aggravated by Exposure:NONE NOTED.

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===== 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.

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

Flash Point:NONFLAMMABLE  
Lower Limits:NOT GIVEN  
Upper Limits:NOT GIVEN  
Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:EVACUATE PERSONNEL. IMMEDIATELY DELUGE CONTAINERS WITH WATER SPRAY FROM MAXIMUM DISTANCE UNTIL COOL, THEN MOVE CONTAINERS AWAY FROM FIRE AREA IF WITHOUT RISK.  
Unusual Fire/Explosion Hazard:CONTAINER MAY RUPTURE DUE TO HEAT OF FIRE. MOST CONTAINERS ARE DESIGNED TO VENT CONTENTS WHEN THEY ARE EXPOSED TO ELEVATED TEMPERATURES.

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

Spill Release Procedures:EVACUATE 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 AREAS, FOR OXYGEN CONTENT PRIOR TO PERMITTING REENTRY.

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

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

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=== 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. SAFETY SHOES FOR CYLINDER HANDLING.  
Work  
Hygienic Practices:STANDARD HYGENIC PRACTICES.  
Supplemental Safety and Health  
HIGH PRESSURE GAS. USE PIPING AND EQUIPMENT DESIGNED TO WITHSTAND  
PRESSURES TO BE ENCOUNTERED. MIXTURES: WHEN TWO OR MORE GASES ARE  
MIXED, THEIR PROPERTIES MAY COMBINE TO CREATE ADDITIONAL,  
UNEXPECTED HAZARDS. OBTAIN AND EVALUATE THE SAFETY INFORMATION FOR  
EACH COMPONENT BEFORE YOU PRODUCE THE MIXTURE.

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

HCC:G3  
Vapor Density:0.967  
Solu  
bility in Water:NEGLIGIBLE  
Appearance and Odor:COLORLESS, ODORLESS GAS.

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

Stability Indicator/Materials to Avoid:YES  
UNDER CERTAIN CONDITIONS NITROGEN CAN REACT VIOLENTLY WITH LITHIUM,  
NEODYMIUM, TITANIUM, OZONE.  
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. DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER IN FULL COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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