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AIR PRODUCTS AND CHEMICALS, INC. -- NITROGEN OR LIN (IN CRYOGENIC LIQUID STATE) -- 6830-00-285-4769

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

Product ID:NITROGEN OR LIN (IN CRYOGENIC LIQUID STATE)

MSDS Date: 08/27/1987

FSC:6830

NIIN:00-285-4769

MSDS Number: BHDHB === Responsible Party ===

Company Name: AIR PRODUCTS AND CHEMICALS, INC.

Address: 2043 S 35TH ST

Box:538

City:ALLENTOWN

State:PA ZIP:18195 Countr v:US

Info Phone Num:215-481-4911

Emergency Phone Num:1-800-523-9374 IN PA:1-800-322-9092

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

Company Name: OXYGEN SALES AND SERVICE INC

Address:2043 S 35TH ST

Box:11393 City:TACOMA State:WA

ZIP:98411-0393 Country:US CAGE:5H199

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

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Ingred Name:NITROGEN
CAS:7727-37-9
RTECS #:QW9700000
ACGIH TLV:ASPHYXIANT; 9192

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:AT LOW OXYGEN CONCENTRATIONS
UNCONSCIOUSNESS & DEATH MAY OCCUR IN SECONDS W/OUT WARNING.
EXTENSIVE TISSUE DAMAGE OR BURNS CAN RESULT FROM EXPOSURE TO LIQUID NITROGEN OR COLD NITROGEN V

APORS.

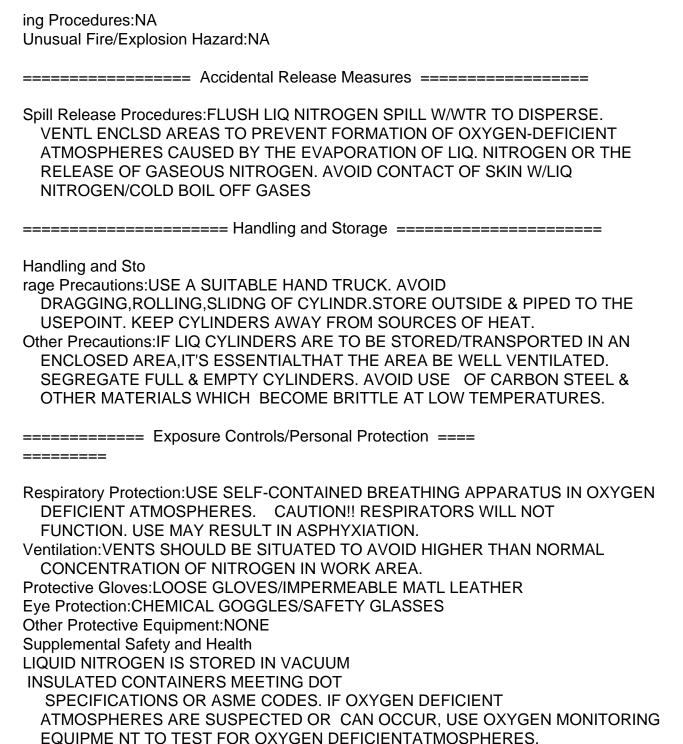
Explanation of Carcinogenicity:NITROGEN IS A SIMPLE ASPHYXIANT AND HAS NO THRESHOLD LIMIT VALUE.

Effects of Overexposure:OYXGEN DEFICIENT ATMOSPHERES MAY PRODUCE DIZZINESS, NAUSEA, VOMITING, LOSS OF CONSCIOUSNESS AND DEATH. NITROGEN UNDER HIGH PRESSURE CAN PRODUCE NARCOSIS EVEN THOUGH OXYGEN SUFFICIENT FOR LIFE IS PRE SENT.

First Aid:ASSISTED RESPIRATION/SUPPLEMENTAL OXYGEN SHOULD BE GIVEN IF THE

VICTIM IS NOT BREATHING. IF CRYOGENIC LIQ./COLD BOIL OFF GAS CONTACTS A WORKER'S SKIN OR EYES, FROZEN TISSUES SHOULD BE FLOODED/SOAKED W/TEPID WATER. DO NOT USE HOT WATER!!CRYOGENIC BURNS WHICH RESULTS IN BLISTERING/DEEPER TISSUE FREEZING SHOULD BE SEEN PROMPTLY BY A PHYSICIAN. MOVE PERSON TO A AREA WITH NORMAL ATMOSPHERES.

Flash Point:NA Lower Limits:NA Upper Limits:NA Extinguishing Media:NA Fire Fight



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

Boiling Pt:B.P. Text:-320.5F Melt/Freeze Pt:M.P/F.P Text:NA

Vapor Pres:NA

Vapor Density:0.07273 Spec Gravity:1 ATM 0.808

Solubility in Water:1ATM 1.52% BY VOLUME

Appearance and Odor:BOTH LIQUID AND GASEOUS NITROGEN

	ARE COLORLESS AND
ODORLESS.	ODORLESS.

=======================================	Stability and	Reactivity Data	=======================================
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Stability Indicator/Materials to Avoid:YES NONE
Stability Condition to Avoid:NONE
Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:ALLOW LIQ NITROGEN TO EVAPORATE IN A WELL VENTL OUTDOOR LOCATION REMOTE FROM WORK AREA. DO NOT ATTEMPT TO DISPOSE OF RESIDUAL NITROGEN IN COMPRESSED GAS CYLINDERS.

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