

AIR PRODUCTS AND CHEMICALS INC -- NITROGEN,REFRIGERATED LIQUID -- 9135-00-965-2526

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Product Identification  
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Product ID:NITROGEN,REFRIGERATED LIQUID  
MSDS Date:07/01/1995  
FSC:9135  
NIIN:00-965-2526  
MSDS Number: CCGGS  
=== Responsible Party ===  
Company Name:AIR PRODUCTS AND CHEMICALS INC  
Address:7201 HAMILTON BLVD  
City:ALLENTOWN  
State:PA  
ZIP:18195-1501  
Country:US  
Info Phone Num:800-322-9092/8  
00-523-9374  
Emergency Phone Num:215-481-4911/800-523-9374  
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

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Composition/Information on Ingredients  
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Ingred Name:NITROGEN  
CAS:7727-37-9  
RTECS #:QW9700000  
Fraction by Wt: >99%  
ACGIH TLV:ASPHYXIAN

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:LIQUID NITROGEN CAN CAUSE RAPID  
SUFFOCATION WHEN CONCENTRATIONS ARE SUFFICIENT TO REDUCE OXYGEN  
LEVELS BELOW 19.5%. CONTACT W/LIQUID/COLD VAPORS CAN CAUSE SEVERE  
FROSTBITE. INHALATION: SIMPLE ASPHYXIA NT. EYES/SKIN: TISSUE  
FREEZING & SEVERECRYOGENIC BURNS.

Explanation of Carcinogenicity:NONE  
Effects of Overexposure:DIZZINESS, DROWS  
INESS, NAUSEA, VOMITING, EXCESS  
SALIVATION, DIMINISHED MENTAL ALERTNESS, LOSS OF CONSCIOUSNESS,  
DEATH. SKIN CONTACT W/LIQUID NITROGEN: TISSUE FREEZING, BURNS, RED  
W/FORMATION OF BLISTE RS.

Medical Cond Aggravated by Exposure:NONE

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

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED.  
SKIN: DON'T RUB FROZEN PARTS AS TISSUE DAMAGE MAY RESULT. PLACE IN  
WARM WATER BATH AT TEMP NOT EXCEEDING 105F  
. NEVER USE DRY HEAT. IF  
FROZEN PART OF BODY HAS BEEN THAWED, COVER W/DRY STERILE DRESSING  
W/LARGE BULKY PROTECTIVE COVERING, PENDING MEDICAL CARE. EYES: WARM  
FROSTBITE W/WARM WATER. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING AREAS.  
Fire Fighting Procedures:SIMPLE ASPHYXIANT. REMOVE CONTAINERS W/COOL  
WATER. DON'T DIRECT WATER SPRAY AT THE CONTAINER VENT. W  
EAR SCBA.  
EVACUATE ARA.  
Unusual Fire/Explosion Hazard:LIQUID NITROGEN WHEN SPILLED WILL  
VAPORIZE RAPIDLY FORMING AN OXYGEN DEFICIENT VAPOR CLOUD. PRESSURE  
CAN BUILD UP DUE TO HEAT & RUPTURE. (SEE SUPP)

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

Spill Release Procedures:EVACUATE AREA. INCREASE VENTILATION & MONITOR  
OXYGEN LEVEL. USE PROTECTIVE EQUIPMENT. TO INCREASE RATE OF  
VAPORIZATION, SPRAY LARGE AMOUNTS OF WATER FROM UPWIND POSITION.  
DON'T SP

