

NITROGEN

MSDS Number

BHCZT

National Stock Number

6830-00-169-0794

Product Name

NITROGEN

Manufacturer

UNION CARBIDE CORP

Product Identification

Product ID:NITROGEN
MSDS Date:08/01/1985
FSC:6830
NIIN:00-169-0794
MSDS Number: BHCZT

Responsible Party

UNION CARBIDE CORPORATION

39 OLD RIDGEBURY ROAD

DANBURY , CT 06817-0001

US

Emergency Phone: 1-800-822-4357 CANADA 514-640-6400

Info Phone: ROUTINE INFO CONTACT LOCAL SUPPLIER

Cage: 36346

Contractor

UNION CARBIDE CORP LINDE DIV

DANBURY, CT 06817-0001

US

800-822-4357; 304-744-3487

Cage: 36346

Ingredients

NITROGEN

CAS: 7727-37-9

RTECS: QW9700000

Fraction By Weight: 100%

ACGIH TLV: ASPHYXIAN; 9192

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:INGST: PRODUCT IS A GAS AT NORMAL
TEMPERATURE AND PRESSURE. SKIN/EYE: NO HARMFUL
EFFECT EXPECTED FROM VAPOR
INHALATION: ASPHYXIAN. MOD. CONCENT MAY CAUSE
HDACHE,DROWINESS,DIZZINESS,VOMITGEXCITATION,EXCESS SALIVATION,&
UNCONSCIOUSNESS. LACK OF OXYGEN CAN CAUSE DEATH.
Effects of Overexposure:CONTACT WITH LIQUID MAY CAUSE FROSTBITE
Medical Cond Aggravated by Exposure:DOES NOT SUGGEST THAT OVEREXPOSURE
IS LIKELY TO AGGRAVATE EXISTING MEDICAL CONDITIONS.

First Aid

First Aid:INGST:PRODUCT IS A GAS AT NORMAL TEMP/PRESSURE.
SKIN:IMMEDIATELY WARM FROSTBITE AREA W/WARM WTR(NOT TO EXCEED 105F)IN CASE OF MASSIVE EXPOSURE REMOVE CLOTHING WHILE SHOWERING W/WARM WTR.CALL A PHYSIC IAN. EYE:IMMEDIATELY FLUSH W/WATER 15MINSEE A PHYSICIAN IMMEDIATELY. INHALA: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIR ATION IF NOT BREATHING. GIVE OXYGEN IF BREATHING IS DIFFICULT.

Fire Fighting

Flash Point:NA
Lower Limits:NA
Upper Limits:NA
Extinguishing Media:NITROGEN CANNOT CATCH FIRE. USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:EVACUATE ALL PERSONNEL FORM DANGER AREA. IMMEDIATELY DELUGE CONTAINERS W/WATER SPRAY FROM MAX DISTANCE UNTIL COOL,THEN MOVE CONTNR AWAY FROM FIRE AREA W/O RISK
Unusual Fire/Explosion Hazard:CONTAINER MAY RUPTURE DUE TO HEAT OF FIRE.NO PART OF CONTAINER SHOULD BE SUBJECTTO TEMPERATURE HIGHER THAN 52C (APPRX. 125F). GAS CANNOT CATCH FIRE.

Accidental Release

Spill Release Procedures:USE SCBA WHERE NEEDED. SHUTOFF LEAK IF W/O RISK. VENTL AREA OF LEAK OR MOVE CONTAINER TO WELL VENTLAREA. EVACUATE ALL PERSONNEL FROM DANGER AREA. TEST AREA FOR SUFFICIENT OXYGEN CONTENT PRIOR TO PERMITTING RE-ENTRY OF PERSONNEL

Handling

Handling and Storage Precautions:NEVER WORK ON A PRESSURIZED SYSTEM. IF THERE IS A LEAK,CLOSE THE CYLINDER VALVE,BLOW DOWN SYSTEM BY VENTING TO SAFE PLACE,THEN REPAIR THE LEAK.
Other Precautions:HIGH PRESSURE GAS. CAN CAUSE RAPID SUFFOCATION DUE TO OXYGEN DEFICIENCY. STORE AND USE W/ADEQUATE VENTILATION. CLOSE VALVE WHEN NOT IN USE AND WHEN EMPTY.

Exposure Controls

Respiratory Protection:SELECT ACCORDANCE WITH OHSA 29 CFR 1910.134. RESPIRATORS SHALL BE ACCEPTABLE TO MSHA AND NIOSH
Ventilation:LOCAL EXHAUST: PREFERRED
MECHANICAL (GENERAL): ACCEPTABLE
Protective Gloves:PREFERRED FOR CYLINDER HANDLING
Eye Protection:ACCORDANCE WITH OSHA 29 CFR 1910.133
Other Protective Equipment:METATARSAL SHOES FOR CYLINDER HANDLING.
Supplemental Safety and Health
NK

Chemical Properties

Boiling Pt:B.P. Text:-320.46F
Vapor Pres:GAS
Vapor Density:0.967
Spec Gravity:GAS
Evaporation Rate & Reference:NA
Solubility in Water:NEGLIGIBLE
Appearance and Odor:COLORLESS, ODORLESS GAS AT NORMAL TEMPERATURE AND PRESSURE
Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES
UNDER CERTAIN CONDITIONS CAN REACT VIOLENTLY W/LITHIUM, NEODYMIUM,TITANIUM,OZONE.
Hazardous Decomposition Products:NONE

Disposal

Waste Disposal Methods:SLOWLY RELEASE INTO ATMOSPHERE.DISCARD ANY
PRODUCTRESIDUE,DISPOSABLE CONTAINER/LINER IN COMPLIANCE WITH
FEDERAL, LOCAL, AND STATE REGULATIONS.

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