

NITROGEN

MSDS Number

BHDCT

National Stock Number

6830-00-244-2741

Product Name

NITROGEN

Manufacturer

UNION CARBIDE

Product Identification

Product ID:NITROGEN
MSDS Date:08/01/1985
FSC:6830
NIIN:00-244-2741
MSDS Number: BHDCT

Responsible Party

UNION CARBIDE
39 OLD RIDGEBURY ROAD
DANBURY , CT 06817-0001
US

Emergency Phone: 304-744-3487

Cage: 07098

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
ACGIH TLV: ASPHYXIAN; 9192

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Health Hazards Acute and Chronic:ACUTE:INHALATION:ASPHYXIAN.EYE &
SKIN:NO HARMFUL EFFECT EXPECTED FROM VAPOR.LIQMAY CAUSE
FROSTBITE.SKIN ABSORPTION:NO EVIDENCE OF ADVERSE EFFECTS FROM
AVAILABLE INFORMATION.CHRONIC:NO EVIDENCE OF ADV ERSE EFFECTS FROM
AVAILABLE INFORMATION.
Effects of
Overexposure:INHALATION:HEADACHE,DROWSINESS,DIZZINESS,EXCITATION,EX
CESS SALIVATION,VOMITING, & UNCONSCIOUSNESS.LACK OF OXYGEN CAN
CAUSE DEATH.CONTACT W/LIQ MAY CAUSE FROSTBITE.
Medical Cond Aggravated by Exposure:THE TOXICOLOGY & THE PHYSICAL &
CHEMICAL PROPERTIES OF THE MATERIAL DO NOT SUGGEST THAT
OVEREXPOSUREIS LIKELY TO AGGRAVATE EXISTING MEDICAL CONDITIONS

First Aid

First Aid:SKIN EYE:CONTACT W/LIQ IMMEDIATELY WARM AREA WITH WARM WTR(NOT TO EXCEED 105F). INHALATION:REMOVE TO FRESH AIR.GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING.GIVEOXY IF BREATHING IS DIFFICULT.CALL A PHY SICIAN.NOTES TO PHYSICIAN:THERE IS NOSPECIFIC ANTIDOTE.TREATMENT SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS & THE CLINICAL CONDITIONS.

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 FROM DANGER AREA.IMMEDIATELY DELUGE CONTAINERS W/WTR SPRAY FROM MAX DISTANCE UNTIL COOL,THEN MOVE CTNS AWAY FROM FIRE AREA IF W/OUT RISK.
Unusual Fire/Explosion Hazard:GAS CANNOT CATCH FIRE.CONTAINER MAY RUPTURE DUE TO HEAT OF FIRE.NO PART OF A CONTAINER SHOULD BE SUBJECT TO TEMP HIGHER THAN 52C APPROX 125F.

Accidental Release

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM DANGER AREA.USE SELF- CONTAINED BREATHING APPARATUS WHERE NEEDED.SHUT OFF LEAK IF W/OUT RISK.VENT AREA OR LEAK OR MOVE LEAKING CONTAINER TO WELL-VENT AREA.TEST AREA,FOR SUF FICIENT OXY CONTENT PRIOR TO PERMITTINGRE-ENTRY.

Handling

Handling and Storage Precautions:NEVER WORK ON A PRESSURIZED SYSTEM.IF THERE IS A LEAK,CLOSE THE CYL VALVE,BLOW DOWN THE SYS BY VENTING TO A SAFE PLACE,THEN REPAIR THE LEAK.

Exposure Controls

Respiratory Protection:SELECT IN ACCORDANCE W/OSHA 29 CFR 1910.134.RESPIRATORS SHALL BE ACCEPTABLE TO MSHA & NIOSH.
Ventilation:LOCAL EXHAUST PREFERRED. MECHANICAL ACCEPTABLE
Protective Gloves:PREFERRED FOR CYL HANDLING
Eye Protection:SELECT IN ACRDNC W/OSHA 29CFR 1910.133
Other Protective Equipment:METATARSAL SHOES FOR CYLINDER HANDLING.SELECT IN ACCORDANCE WITH OSHA 29 CFR 1910.132 & 1910.133.
Supplemental Safety and Health
NK

Chemical Properties

Boiling Pt:B.P. Text:-195.8C *
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 & PRESSURE.
Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES
UNDER CERTAIN CONDITIONS,NITROGEN CAN REACT VIOLENTLY W/LITHIUM,NEODYMIUM,TITANIUM,OZONE.
Stability Condition to Avoid:HIGH PRESSURE GAS.USE PIPING & EQUIP ADEQUATELY DESIGNED TO WITHSTAND PRESSURES TO BE ENCOUNTERED.
Hazardous Decomposition Products:NONE

Disposal

Waste Disposal Methods:SLOWLY RELEASE INTO ATMOS.DISCARD ANY PRODUCT,RESIDUE,DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY

ACCEPTABLE MANNER,IN FULL COMPLIANCE W/FEDERAL,STATE & LOCAL REGULATIONS.

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