

UNION CARBIDE INDUSTRIAL GASES, INC, LINDE DIV. -- NITROGEN -- 6685-01-187-7215
===== Product Identification =====

Product ID:NITROGEN
MSDS Date:08/01/1985
FSC:6685
NIIN:01-187-7215
MSDS Number: BXTJM
=== Responsible Party ===
Company Name:UNION CARBIDE INDUSTRIAL GASES, INC, LINDE DIV.
Address:FOOT OF GREAT LAKES AVE
City:ECORSE
State:MI
ZIP:48229
Country:US
Info Phone Num:313-842-4500
Emergency
Phone Num:313-842-4500
CAGE:0G1N8
=== Contractor Identification ===
Company Name:UNION CARBIDE INDUSTRIAL GASES, INC, LINDE DIV.
Address:FOOT OF GREAT LAKES AVE
Box:City:ECORSE
State:MI
ZIP:48229
Country:US
Phone:313-842-4500
CAGE:0G1N8
Company Name:WEKSLERIGLASS THERMOMETER CORP
Address:80 MILL ROAD
Box:City:FREEPORT
State:NY
ZIP:11520
Country:US
Phone:516-623-0100
CAGE:64467

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

Ingred Name:NITROGEN
CAS:7727-37-9
RTECS #:QW9700

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Fraction by Wt: 100%

ACGIH TLV:ASPHYXIAN; 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:INGESTION: PRODUCT IS A GAS AT NORMAL TEMPERATURE AND PRESSURE. SKIN: NO HARMFUL EFFECT EXPECTED FROM VAPOR. INHALATION: ASPHYXIAN. EYE: NO HARMFUL EFFECTS EXPECTED FROM VAPOR.

Explanation of Carcinogenicity:NOT A CARCINO GEN.

Effects of Overexposure:INHALATION: MODERATE CONCENTRATIONS MAY CAUSE HEADACHE, DROWSINESS, DIZZINESS, EXCITATION, EXCESS SALIVATION, VOMITING, AND UNCONSCIOUSNESS. LACK OF OXYGEN CAN CAUSE DEATH. 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 Measures =====

First Aid:SWALLOWING-THIS PRODUCT IS A GAS AT NORMAL TEMPERATURE &

PRESSURE. SKIN-IMMEDIATELY WARM FROSTBITE AREA WITH A WARM WATER. IF MASS EXPOSURE, REMOVE CLOTHING WHILE SHOWERING W/WARM WATER. CALL A PHYSICIAN. INHALATION-REMOVE TO FRESH AIR. GIVE CPR IF NOT BREATHING. GIVE OXYGEN IF HARD TO BREATHE. CALL A PHYSICIAN. EYE-IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MIN. SEE A PHYSICIAN IMMEDIATELY.

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

Flash Point:NA

Lower Limits:NA

Upper Limits:NA

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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/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 SUBJECT TO TEMPERATURE HIGHER THAN 52C (APPRX. 125F). GAS CANNOT CATCH FIRE.

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Accidental Release Measures =====

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

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

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 WITH ADEQUATE VENTILATION. CLOSE VALVE WHEN NOT IN USE AND WHEN EMPTY.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:SELECT ACCORDANCE WITH OSHA 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.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health
NONE

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

HCC:G3

Boiling Pt:B.P. Text:-320F,-196C

Melt/Freeze Pt:M.P/F.P Text:-346F,-210C

Vapor Pres:GAS

Vapor Density:0.967

Spec Gravity:GAS

Evaporati

on Rate & Reference:NA

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS, ODORLESS GAS AT NORMAL TEMPERATURE AND PRESSURE

Percent Volatiles by Volume:100

===== 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:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE

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

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

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