

UNION CARBIDE INDUSTRIAL GASES, INC, LINDE DIV. -- NITROGEN -- 6685-00-076-1954

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Product Identification
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Product ID:NITROGEN

MSDS Date:08/01/1985

FSC:6685

NIIN:00-076-1954

MSDS Number: BWZKX

=== 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:800-822-4357

CAGE:0G1N8

=== Contractor Identification ===

Company Name:UNION CARBIDE INDUSTRIAL GASES, INC, LINDE DIV.

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Box:City:ECORSE

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Composition/Information on Ingredients
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Ingred Name:NITROGEN

CAS:7727-37-9

RTECS #:QW9700000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:ASPHYXIAN; 9495

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHLALATION OF MODERATE
CONCENTRATIONS, DUE TO DISPLACEMENT OF OXYGEN, MAY CAUSE
ASPHYXIATION. CONTACT WITH LIQUID MAY CAUSE FROSTBITE. CHRONIC: NO
EVIDENCE OF ADVERSE EFFECTS FROM AVAILABLE IN FORMATION.
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%
OR GREATER IS LISTED AS A CARCINOGEN OR SUEP
ECTED CARCINOGEN.
Effects of Overexposure:INHALATION: HEADACHE, DROWSINESS, DIZZINESS,
EXCITATION, EXCESS SALAVATION, VOMITING, UNCONSCIOUSNESS.
Medical Cond Aggravated by Exposure:THE TOXICOLOGICAL AND THE PHYSICAL
AND CHEMICAL PROPERTIES OF THIS MATERIAL DO NOT SUGGEST THAT
OVEREXPOSURE IS LIKELY TO AGGRAVATE EXISTING MEDICAL CONDITIONS.

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

First Aid:INHALATION-REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION
I
F BREATHING STOPPED; OXYGEN IF BREATHING DIFFICULT.
SKIN-IMMEDIATELY WARM FROSTBITE AREA WITH WARM WATER. CALL A
PHYSICIAN. EYES-FLUSH WITH WATER FOR 15 MINUTES. SEE A PHYSICIAN
IMMEDIATELY. INGESTED-NOT ALIKELY ROUTE OF EXPOSURE.

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

Flash Point:NONE
Extinguishing Media:NITROGEN CANNOT CATCH FIRE. USE MEDIA APPROPRIATE
FOR SURROUNDING FIRE.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE GEAR. COOL CONTAINERS WITH FLOODING AMOUNTS OF
WATER UNTIL WELL AFTER FIRE IS OUT.
Unusual Fire/Explosion Hazard:GAS UNDER PRESSURE. CONTAINER MAY RUPTURE
EXPLOSIVELY IF EXPOSED TO FIRE OR HIGH TEMPERATURES.

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

Spill Release Procedures:EVACUATE PERSONNEL FROM DANGER AREA. USE
SELF-CONTAINED BREATHING APPARATUS WHERE NEEDED. SHUT OFF LEAK IF
NO RISK. VENTILATE AREA OR MOVE CONTAINER TO WELL-VENTILAT

ED AREA.

TEST AREA, ESPECIALLY CONF INED SPACES, BEFORE RE-ENTRY.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE AND USE WITH ADEQUATE VENTILATION. CAN CAUSE RAPID SUFFOCATION DUE TO OXYGEN DEFICIENCY.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:NONE NORMALLY REQUIRED. IF NON-ROU
TINE USE OR AN

EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE WITH 29 CFR 1910.134 AND MANUFACTURER'S R ECOMMENDATIONS.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION.

Protective Gloves:LEATHER

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:NONE

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING.

Supplemental Safety and Health

ITEM OF SUPPLY IS THERM

OMETER, CAPILLARY TUBE & BULB, MINUS 40 TO PLUS

180 DEG. F; 3 1/2 INCH DIAL, 20 FT. CAPILLARY TUBE, 3/8 IN. BULB DIA.

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===== 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:0.97

Spec Gravity:GAS

Solubility in Water:NEGLIGIBLE

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

Percent Volatiles by Volume:100

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===== Stabi

lity and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES
UNDER CERTAIN CONDITIONS, NITROGEN MAY REACT WITH LITHIUM, NEODYMIUM,
TITANIUM, OZONE.

Stability Condition to Avoid: HIGH TEMPERATURES, OPEN FLAME MAY CAUSE
OVERPRESSURIZATION OF CONTAINER.

Hazardous Decomposition Products: NONE.

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

Waste Disposal Methods: SLOWLY RELEASE TO ATMOSPHERE. DISCARD ANY
PRODUCT, RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN
ENVIRONMENTALLY SOUND MANNER, IN FULL COMPLIANCE WITH LOCAL, STATE
AND FEDERAL REGULATIONS.

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