

UNION CARBIDE CORPORATION -- NITROGEN -- 6685-00-841-1443

===== Product Identification =====

Product ID:NITROGEN

MSDS Date:08/01/1985

FSC:6685

NIIN:00-841-1443

MSDS Number: BMQGY

=== Responsible Party ===

Company Name:UNION CARBIDE CORPORATION

Address:39 OLD RIDGEBURY ROAD

Box:NA

City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Info Phone Num:ROUTINE INFO CONTACT LOCAL SUPPLIER

Emergency Phone Num:

1-800-822-4357 CANADA 514-640-6400

CAGE:36346

=== Contractor Identification ===

Company Name:UNION CARBIDE CORP LINDE DIV

Address:39 OLD RIDGEBURY RD

Box:City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Phone:800-822-4357; 304-744-3487

CAGE:36346

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

RTE

CS #:QW9700000
Fraction by Wt: 100%

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Health Hazards Acute and Chronic:INHALATION: ASPHYXIANT. MODERATE
CONCENTRATIONS MAY CAUSE UNCONSCIOUSNESS. LACK OF OXYGEN CAN CAUSE
DEATH. SKIN: LIQUID MAY CAUSE FROSTBITE.
Effects of Overexposure:INHALATION: MODERATE CONCENTRATIONS MAY CAUSE
HEADACHE, DROWSINESS, DIZZINESS, EXCITATION, EXCESS SALIVATION,
VOMITING, AN
D UNCONSCIOUSNESS. CONTACT WITH THE LIQUID CAN CAUSE
FROSTBITE.
Medical Cond Aggravated by Exposure:DOES NOT SUGGEST THAT OVEREXPOSURE
IS LIKELY TO AGGRAVATE EXISTING MEDICAL CONDITIONS.

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First Aid Measures
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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:I
MMEDIATELY FLUSH W/WATER
15MINSEE A PHYSICIAN IMMEDIATELY. INHALA: REMOVE TO FRESH AIR. GIVE
ARTIFICAL RESPIR ATION IF NOT BREATHING. GIVE OXYGEN IF BREATHING
IS DIFFICULT.

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Fire Fighting Measures
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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.

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Accidental Release Measures
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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

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Handling and Storage
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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.

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Exposure Controls/Personal Protection
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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.

Supplemental Safety

and Health

NK

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Physical/Chemical Properties
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HCC: G3

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

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid: YES
UNDER CERTAIN CONDITIONS CAN

REACT VIOLENTLY W/LITHIUM,
NEODYMIUM,TITANIUM,OZONE.
Hazardous Decomposition Products:NONE

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

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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