

UNION CARBIDE CORP., LINDE DIV. -- NITROGEN -- 6685-00-483-8604

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

Product ID:NITROGEN

MSDS Date:08/01/1985

FSC:6685

NIIN:00-483-8604

MSDS Number: BQVPG

=== Responsible Party ===

Company Name:UNION CARBIDE CORP., LINDE DIV.

Address:39 OLD RIDGEBURY RD

City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Info Phone Num:304-744-3487

Emergency Phone Num:800-822-4357/304-74
4-3487

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

RTECS #:QW9700000

Fraction by W

t: 100%
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:ASPHYXIAN; 9293

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE-EYE/SKIN:NO HARMFUL EFFECT
EXPECTED FROM VAPOR.LIQUID MAY CAUSE
FROSTBITE.INHALED:ASPHYXIAN.MAY CAUSE
HEADACHE,DROWSINESS,DIZZINESS,EXCITATION,EXCESS
SALIVATION,VOMITING,UNCONSCIOUSNESS.DEATH I S
POSSIBLE DUE TO LACK
OF OXYGEN.ORAL:THIS PRODUCT IS A GAS AT NORMAL TEMPERATURE &
PRESSURE.CHRONIC-NO ADVERSE EFFECTS.

Effects of Overexposure:NO HARMFUL EFFECT EXPECTED FROM VAPOR BY SKIN
OR EYES. LIQUID MAY CAUSE FROSTBITE. ASPHYXIAN. INHALATION MAY
CAUSE HEADACHE, DROWSINESS, DIZZINESS, EXCITATION, EXCESS
SALIVATION, VOMITING, UNCONSCIOUSNESS. DEATH IS POSSIBLE DUE TO
LACK OF OXYGEN. THIS PRODUCT IS A GAS AT NORMAL TEMPERATURE &
PRESSURE.

Medical Cond Aggravated b
y Exposure:THE TOXICOLOGY AND THE PHYSICAL AND
CHEMICAL PROPERTIES OF THE MATERIAL DO NOT SUGGEST THAT
OVEREXPOSURE IS LIKELY TO AGGRAVATE EXISTING MEDICAL CONDITIONS.

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

First Aid:ORAL:THIS PRODUCT IS A GAS AT NORMAL TEMPERATURE &
PRESSURE.EYE:IN CASE OF SPLASH CONTAMINATION,IMMEDIATELY FLUSH
THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES.SEE AN
OPHTHALMOLOGIST.SKIN:FOR EXPOSURE TO LIQUID,IMMEDIATELY WARM
FROSTBITE AREA WITH WARM WATER (NOT TO EXCEED 105F).CALL A
PHYSICIAN,IF NEEDED.INHALED:REMOVE TO FRESH AIR.PROVIDE CPR/OXYGEN
IF NEEDED.CALL A PHYSICIAN.

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

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY
CHEMICAL FOR SURROUNDING FIRE. NITROGEN CANNOT CATCH FIRE.
Fire Fighting Procedures:EVACUATE ALL PERSONNEL FROM DANGER AREA.
IMMEDIATELY DELUGE CONTAINERS WITH WATER SPRAY FROM MAXIMUM
DIST

ANCE UNTIL COOL, THEN MOVE CONTAINERS AWAY IF NO RISK.

Unusual Fire/Explosion Hazard:CONTAINER MAY RUPTURE DUE TO HEAT OF FIRE. NO PART OF CONTAINER SHOULD BE SUBJECTED TO A TEMPERATURE HIGHER THAN 52C (125F). MOST CONTAINERS VENT WHEN HEATED.

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

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. VENTILATE AREA. SHUT OFF LEAK IF WITHOUT RISK.

TEST AREA FOR SUFFICIENT OXYGEN

CONTENT PRIOR TO PERMIT TING RE-EATERY OF PERSONNEL.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORAGE-STORE UPRIGHT,IN COOL AREA BELOW 52C.STORE & USE WITH ADEQUATE VENTILATION.CLOSE VALVE WHEN NOT IN USE & WHEN EMPTY.

Other Precautions:CAN CAUSE SERIOUS INJURY OR DEATH. BE SURE TO READ & UNDERSTAND ALL LABELS & OTHER INSTRUCTIONS. NEVER WORK ON A PRESSURIZED

SYSTEM. IF THERE IS A LEAK, CLOSE CYLINDER VALVE. BLOW

DOWN THE SYSTEM BY V ENTING TO A SAFE PLACE, THEN REPAIR IT.

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

Respiratory Protection:POSITIVE PRESSURE AIR LINE WITH MASK OR SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR EMERGENCY USE.

Ventilation:LOCAL EXHAUST

Protective Gloves:ANY MATERIAL

Eye Protection:SAFETY GLASSES OR GOGGLES

Other Protective Equipment:SAFETY SHOES

Work Hygienic Practices:WA

SH HANDS THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health

THE MANUFACTURER STATES THAT THERMOMETER CONTAINS NITROGEN AND IT IS UNDER PRESSURE. IT CONTAINS 6 GM OF N2. PRESSURE RANGES BETWEEN 50 TO 200 PSI.

===== 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

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLES

S, 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:TEMPERATURES ABOVE 52 C

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:SLOWLY RELEASE

INTO ATMOSPHERE. DISCARD ANY

PRODUCT, RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN
ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE WITH LOCAL,
STATE AND FEDERAL REGULATIONS.

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