

UNION CARBIDE CHEMICALS AND PLASTICS CO INC -- NITROGEN -- 6685-00-473-2419

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Product Identification  
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Product ID:NITROGEN

MSDS Date:08/01/1985

FSC:6685

NIIN:00-473-2419

MSDS Number: BXSXB

=== Responsible Party ===

Company Name:UNION CARBIDE CHEMICALS AND PLASTICS CO INC

Address:39 OLD RIDGEBURY RD

City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Info Phone Num:203-794-6753

Emergency Phone

Num:203-794-6753

CAGE:0TAZ2

=== Contractor Identification ===

Company Name:UNION CARBIDE CORPORATION

Address:39 OLD RIDGEBURY RD

Box:City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Phone:1-800-568-4000 / 732-563-5522

CAGE:0TAZ2

Company Name:WEKSLERIGLASS THERMOMETER CORP

Address:80 MILL ROAD

Box:City:FREEPORT

State:NY

ZIP:11520

Country:US

Phone:516-623-0100

CAGE:64467

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Composition/Information on Ingredients  
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Ingred Name:NITROGEN

CAS:7727-37-9

RTECS #:QW9700000

Frac

tion 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: INHALATION-ASPHYXIAN. LACK OF OXYGEN CAN CAUSE DEATH. CHRONIC: CONTACT WITH LIQUID MAY CAUSE FROSTBITE.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:INHALATION-MODERATE CONCENTRATIONS MAY CAUSE HEADACHE, DROWSINESS, EXITATION, EXCESS, SALIVATION, VOMITING, AND UNCONSCIOUSNESS.  
Medical Cond Aggravated by Exposure:THE TOXICOLOGICAL AND PHYSICAL AND CHEMICAL PROPERTIES OF THE MATERIAL DO NOT SUGGEST THAT OVEREXPOSURE IS LIKELY TO AGGRAVATE MEDICAL CONDITIONS.

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First Aid Measures  
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First Aid:SKIN-IMMEDIATELY WARM FROSTBITE ARE WITH WARM WATER. IN CASE OF MASSIVE EXPOSURE, REMOVE CLOTHING WHILE SHOWERING WITH WARM WATER. CALL A PHYSICIAN. INHALATION-REMOVE TO FRESH AIR. GIVE ARTIFICIAL RES PIRATION IF BREATHING STOPPED. GIVE OXYGEN IF BREATHING DIFFICULT. CALL A PHYSICIAN. EYES-IF LIQUID SPLASHES ON EYES, FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES. SEE A PHYSICIAN/OPHTHALMOLOGIST.

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Fire Fighting Measures  
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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. DELUGE CONTAINERS WITH WATER SPRAY FROM MAXIMUM DISTANCE UNTIL COOL. MOVE CONTAINERS FROM AREA IF WITHOUT RISK.  
Unusual Fire/Explosion Hazard:CONTAINER MAY RUPTURE DUE TO HEAT OF FIRE. NO PART OF CONTAINER SHOULD BE SUBJECTED TO TEMPERATURE ABOVE 52C. CONTAINERS ARE DESIGNED TO VENT AT HIGH TEMPERATUR

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Accidental Release Measures  
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Spill Release Procedures:EVACUATE ALL PERSONNEL FROM DANGER AREA. USE SELF

-CONTAINED BREATHING APPARATUS WHEN NEEDED. SHUT OFF LEAK WITHOUT RISK. VENTILATE AREA OF LEAK OR MOVE LEAKING CONTAINER TO WELL VENTED AREA. TEST AREA FOR OXYGEN CONTENT. DO NOT ALLOW PERSONNEL ENTRY.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE AND USE WITH ADEQUATE VENTILATION.

Other Precautions:CAUTION: HIGH PRESSURE GAS. USE PIPING AND EQUIPMENT ADEQUATELY

DESIGNED TO WITHSTAND PRESSURE TO BE ENCOUNTERED. CAN CAUSE RAPID SUFFOCATION DUE TO OXYGEN DEFICIENCY. CLOSE VALVE WHEN NOT IN USE AND WHEN EMPTY.

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

Respiratory Protection:SELECT IN ACCORDANCE WITH OSHA 29CFR1910.134. RESPIRATORS SHALL BE ACCEPTABLE TO MSHA AND NIOSH.

Ventilation:LOCAL EXHAUST PREFERRED, MECHANICAL GENERAL ACCEPTABLE.

Protective Gloves:PREFERRED FOR CYLINDER ROLLING

Eye Protection:SELECT PER OSHA 29CFR1910.133.

Other Protective Equipment:METATARSAL SHOES SELECTED PER OSHA 29CFR1910.132 & 1910.133

Work Hygienic Practices:USE GOOD INDUSTRIAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health

MSDS IS FOR NITROGEN FOUND IN THERMOMETER.

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

HCC:G3

NRC/State Lic Num:NONE

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:COLORLESS, ODORLESS GAS AT NORMAL TEMPERATURES AND PRESSURES.

Percent Volatiles by Volume:100

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

UNDER CERTAIN CONDITIONS, NITROGEN CAN REACT VIOLENTLY WITH LITHIUM, NEODYMIUM, OZONE, TITANIUM

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NO

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

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

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