

UNION CARBIDE CORP INDUSTRIAL CHEMICALS DIV -- NITROGEN -- 6685-01-188-0249

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

Product ID:NITROGEN

MSDS Date:08/01/1985

FSC:6685

NIIN:01-188-0249

MSDS Number: BTKVH

=== Responsible Party ===

Company Name:UNION CARBIDE CORP INDUSTRIAL CHEMICALS DIV

Address:39 OLD RIDGEBURY ROAD

City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Info Phone Num:800-822-4357

Emergency Phon

e Num:800-822-4357

CAGE:61637

=== Contractor Identification ===

Company Name:DRESSER INDUTRIES INC, WEKSLER INSTRUMENTS OPN

Address:250 E MAIN ST

Box:City:STRATFORD

State:CT

ZIP:06497-5145

Country:US

Phone:203-385-0490

CAGE:049X3

Company Name:UNION CARBIDE CORP

Address:39 OLD RIDGEBURY ROAD

Box:City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Phone:800-822-4357/732-563-5522 (MSDS)

CAGE:61637

Company Name:WEKSLERIGLASS THERMOMETER CORP

Address:80 MILL ROAD

Box:City:FREEPORT

State:NY

ZIP:11520

Coun

try:US  
Phone:516-623-0100  
CAGE:64467

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

Ingred Name:NITROGEN  
CAS:7727-37-9  
RTECS #:QW9700000  
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:THERE ARE NO INGREDIENTS ABOVE 0.1%  
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.  
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:OVEREXPOSURE IS NOT 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:NONE  
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/Explosi

on Hazard:CONTAINER MAY RUPTURE DUE TO HEAT OF  
FIRE. NO PART OF CONTAINER SHOULD BE SUBJECTED TO TEMPERATURE  
HIGHER THAN 52C (125F). GAS CANNOT CATCH FIRE.

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

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 PERMI TTING RE-ENTRY OF PERSONNEL.

Neutralizing Agent:NONE

===== 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 OHSA 29 CFR 1910.134.  
RESPIRATORS SHALL BE ACCEPTABLE TO MSHA AND NIOSH.

Ventilation:LOCAL EXHAUST: PREFERRED. MECHANICAL (GENERAL): ACCEPTABLE

Protective Gloves:FOR CYLINDER HANDLING

Eye Protection:SAFETY GLASSES

Other Protective Equipment:METATARSAL SHOES FOR CYLINDER HANDLING.

Work Hygienic Practices:USE REASONABLE CARE IN HANDLING THIS MATERIAL.

Supplemental Safety and Health

NONE

===== Phys  
ical/Chemical Properties =====

HCC:G3

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

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

Vapor Density:0.967

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, O

ZONE.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE

===== 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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