

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 INDUSTRIES 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
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Ingred Name:NITROGEN
CAS:7727-37-9
RTECS #:QW9700000
Fraction by Wt: 100%
ACGIH TLV:ASPHYXIAN; 9192

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Hazards Identification
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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.

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First Aid Measures
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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.

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Fire Fighting Measures
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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 OSHA 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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