

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
=====

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.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of D

efense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.