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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 Pho
ne 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
Cou

ntry: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:ASPHYXIANT; 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: ASPHYXIANT. 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 CAU SE 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 AWARM WATER. IF MASS EXPOSURE, REMOVE CLOTHING WHILE SHOWERING W/WARM WATER. CALL A PHYSICI AN. INHALATION-REMOVE TO FRESH AIR. GIVE CPR IF NOT BREATHING. GIVE OXYGEN IF HARD TO BREATH. 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 FORM 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/Explos

ion 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 Control
s/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

========== Phy
sical/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,

OZONE.
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.