

UNION CARBIDE CORP LINDE DIV -- NITROGEN,41 GK-Y 00 U-Y 30 Y -- 6685-00-522-8843

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

Product ID:NITROGEN,41 GK-Y 00 U-Y 30 Y

MSDS Date:08/01/1985

FSC:6685

NIIN:00-522-8843

MSDS Number: BTZZS

=== Responsible Party ===

Company Name:UNION CARBIDE CORP LINDE DIV

Address:39 OLD RIDGEBURY RD

City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Info Phone Num:203-744-3487

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rgency Phone Num:203-744-3487

CAGE:36346

=== Contractor Identification ===

Company Name:UNION CARBIDE CORP LINDE DIV

Address:39 OLD RIDGEBURY RD

Box:City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Phone:800-822-4357; 304-744-3487

CAGE:36346

Company Name:WEKSLERIGLASS THERMOMETER CORP

Address:80 MILL ROAD

Box:City:FREEPORT

State:NY

ZIP:11520

Country:US

Phone:516-623-0100

CAGE:64467

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

Ingred Name:NO INGREDIENT FOR THIS FORMULAT

## ION\_INGREDIENT

### ===== Hazards Identification =====

LD50 LC50 Mixture:NOT RELEVANT

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:LUNGS. ACUTE- NITROGEN

IS DEFINED AS A SIMPLE ASPHYXIAN. OXYGEN LEVELS SHOULD BE MAINTAINED >18 MOLAR PERCENT AT NORMAL ATMOSPHERIC PRESSURE WHICH IS EQUIVALENT TO A PARTIAL PRESSURE OF 135 MM HG (ACGIH 1985-19

86). LARGE AMOUNT OF NITROGEN IN A CONFINED AREA COULD DISPLACE OXYGEN. CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:LOSS OF BALANCE OR DIZZINESS, TIGHTNESS IN FRONTAL OF FOREHEAD, TINGLING OF TONGUE, FINGERTIPS OR TOES, WEAKENED SPEECH, RAPID REDUCTION IN ABILITY TO PERFORM MOVEMENTS, REDUCED CONSCIOUSNESS OF SURROUNDINGS, LOSS OF TACTILE SENSATIONS, HEIGHTENED MENTAL ACTIVITY. THERE ARE NO DEFINITE WARNING SYMPTOMS.

Medical Cond Aggravated

by Exposure:THE TOXICOLOGY AND THE PHYSICAL AND CHEMICAL PROPERTIES OF THE MATERIAL DO NOT SUGGEST THAT OVEREXPOSURE IS LIKELY TO AGGRAVATE EXISTING MEDICAL CONDITIONS.

### ===== First Aid Measures =====

First Aid:PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE TO NITROGEN. RESCUE PERSONNEL SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS. INHALATION:CONSCIOUS PERSONS SHOULD BE ASSISTED TO AN UNCONTAMINATED AREA

AND INHALE FRESH AIR.

UNCONSCIOUS PERSONS SHOULD BE MOVED TO FRESH AIR AND GIVEN MOUTH-TO-MOUTH RESUSCITATION AND OXYGEN.

### ===== Fire Fighting Measures =====

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL FOR SURROUNDING FIRE. NITROGEN CANNOT CATCH FIRE.

Fire Fighting Procedures:EVACUATE ALL PERSONNEL FROM DANGER AREA. IMMEDIATELY DELUGE CONTAINERS WITH WATER SPRAY FROM MAXIMUM DISTANCE UNTIL COOL, THEN MOVE CONTAINERS

INERS AWAY IF NO RISK.

Unusual Fire/Explosion Hazard:CONTAINER MAY RUPTURE DUE TO HEAT OF FIRE. NO PART OF CONTAINER SHOULD BE SUBJECTED TO A TEMPERATURE HIGHER THAN 52C ( 125F). MOST CONTAINERS VENT WHEN HEATED.

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

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. VENTILATE AREA. SHUT OFF LEAK IF WITHOUT RISK. TEST AREA FOR SUFFICIENT OXYGEN

CONTENT PRIOR TO PERMIT TING RE-EATERY OF PERSONNEL.  
Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE UPRIGHT, IN COOL, DRY, WELL-VENTILATED AREA BELOW 130F (54C) AWAY FROM HEAVILY TRAFFICKED AREAS & EMERGENCY EXITS.

Other Precautions:CAN CAUSE INJURY. BE SURE TO READ & UNDERSTAND ALL LABELS & OTHER INSTRUCTIONS.

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

Respiratory Protection:POSITIVE PRESSURE AIR LINE WITH MASK OR SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR EMERGENCY USE.

Ventilation:LOCAL EXHAUST

Protective Gloves:COTTON/LATEX RECOMMENDED

Eye Protection:SAFETY GLASSES OR GOGGLES RECOMMENDED

Other Protective Equipment:EYE WASH STATION

Work Hygienic Practices:WASH HANDS THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health

THE PRODUCT IS A THERMOMETER CONTAINING NITROGEN GAS.

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

HCC:G3

NRC/State Lic Num:NOT RELEVANT

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

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS, ODORLESS GAS AT NORMAL TEMPERATURE AND PRESSURE IN THERMOMETER

Percent Volatiles by Volume:100

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

Stability Indicator/Materials

to Avoid: YES

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

Stability Condition to Avoid: TEMPERATURES ABOVE 52 C ( 125F)

Hazardous Decomposition Products: NONE

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

Waste Disposal Methods: DO NOT ATTEMPT TO DISPOSE OF WASTE OR UNUSED QUANTITIES. RETURN IN THE SHIPPING CONTAINER PROPERLY LABELED, WITH ANY VALVE OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN PLACE TO YOUR SUPPLIER.

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