

UNION CARBIDE CORP/LINDE DIV -- ARGON (CRYOGENIC LIQUID) -- 9135-00-759-7634

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Product Identification  
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Product ID:ARGON (CRYOGENIC LIQUID)

MSDS Date:09/01/1985

FSC:9135

NIIN:00-759-7634

MSDS Number: BFNQX

=== Responsible Party ===

Company Name:UNION CARBIDE CORP/LINDE DIV

Address:39 OLD RIDGEBURY ROAD

City:DANBURY

State:CT

ZIP:06817

Info Phone Num:(304) 744-3487

Emergency Phone Num:(304)

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

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Composition/Information on Ingredients  
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Ingred Name:ARGON

CAS:7440-37-1

RTECS #:CF2300000

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: FROSTBITE OF THE LIPS/MOUTH. INHALATION: ASPHYXIAN, HEADACHE, DROWSINESS, DIZZINESS, EXCITATION, SALIVATION, VOMITING/UNCONSCIOUSNESS. SKIN/EYE: MAY CAUSE FROSTBITE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INHALATION: ASPHYXIAN, HEADACHE, DROWSINESS, DIZZINESS, VOMITING, UNCONSCIOUSNESS, EXCITATION, SALIVATION, & DEATH. SKIN/EYE: MAY CAUSE FROSTBITE. INGESTION: FROSTBITE OF THE LIPS/MOUTH. VAPOR CAN CAUSE RAPID SUFFOCATION DUE TO OXYGEN DEFICIENCY.

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

First Aid:SKIN: WARM FROSTBITE AREA W/WARM WATER (NOT TO EXCEED 105). REMOVE CLOTHING WHILE SHOWERING W/WARM WATER. CALL PHYSICIAN. INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GIVE OXYGEN IF BREATHING IS DIFFICULT.CALL PHYSICIAN. EYE: FLUSH W/WATER FOR AT L EAST 15 MINS. SEE PHYSICIAN. INGESTION: THIS PRODUCT IS A GAS AT NORMAL TEMPERATURE/PRESSURE.

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

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE. ARGON CAN'T CATCH FIRE. DON'T DISCHARGE SPRAYS INTO LIQUID ARGON. Fire Fighting Procedures:EVACUATE ALL PERSONNEL FROM DANGER AREA. IMMEDIATELY DELUGE CONTAINERS W/WATER SPRAY FORM MAXIMUM DISTANCE UNTIL COOL, THEN MOVE CONTAINERS AWAY FROM AREA. Unusual Fire/Explosion Hazard:CLOSED CONTAINERS MAY RUPTURE DUE TO HEAT OR FIRE. LIQUID ARGON WILL FREEZE WATER RAPIDLY.

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

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM DANGER AREA. ALLOW SPILLED LIQUID TO EVAPORATE. SHUT OFF LEAK IF W/OUT RISK. MOVE LEAKING ASSEMBLY TO VENTILATED AREA OR LEAK. USE SCBA AS NEEDED.

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

Handling and Storage Precautions:NE

VER WORK ON A PRESSURIZED SYSTEM. IF

THERE IS A LEAK/CLOSE THE CYLINDER VALVE/BLOW DOWN THE STEAM BY VENTING TO A SAFE PLACE/REPAIR THE LEAK.

Other Precautions:CAUTION: ARGON GAS IS AN ASPHYXIANT. CLOSE VALVE WHEN NOT IN USE/WHEN EMPTY. DON'T GET LIQUID IN EYES, ON SKIN OR CLOTHING. DON'T STRIKE ARC ON CONTAINER. DON'T GROUND CONTAINER. METATARSAL SHOES FOR CYLINDER HANDLING.

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

Respiratory Protection:RESPIRA

TORS SHALL BE ACCEPTABLE TO MSHA/NIOSH.

Ventilation:LOCAL EXHAUST: PREFERRED/MECHANICAL: ACCEPTABLE

Protective Gloves:CRYOGENIC

Other Protective Equipment:PROTECTIVE CLOTHING. CUFFLESS TROUSERS WORN OUTSIDE SHOES.

Work Hygienic Practices:CONSULT AN INDUSTRIAL HYGIENIST, OR OTHER TRAINED PERSON WHEN YOU MAKE YOUR SAFETY EVALUATION OF THE END PRODUCT.

Supplemental Safety and Health

REMEMBER, GASES/LIQUIDS HAVE PROPERTIES WHICH CAN CAUSE SERIOUS INJURY OR DEATH.

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Physical/Chemical Properties =====

HCC:G3

Boiling Pt:B.P. Text:-185.9C

Vapor Pres:GAS

Vapor Density:1.378

Spec Gravity:1.40

Evaporation Rate & Reference:(BU AC = 1): HIGH

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS, ODORLESS, CRYOGENIC LIQUID.

Percent Volatiles by Volume:100%

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

Stability Indicator/Materials to Avoid:YES

ARGON IS CHEMICALLY INERT. CHECK COMPATIBILITY W/PLASTICS BEFORE USE.

Sta

bility Condition to Avoid:HEAT  
Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:SLOWLY RELEASE INTO ATMOSPHERE OUTDOORS.

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