

UNION CARBIDE CORPORATION -- ARGON -- 6830-00-167-0779

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

Product ID:ARGON

MSDS Date:12/01/1986

FSC:6830

NIIN:00-167-0779

MSDS Number: BHCYW

=== Responsible Party ===

Company Name:UNION CARBIDE CORPORATION

Address:39 OLD RIDGEBURY ROAD

City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Emergency Phone Num:1-800-822-4357 CANADA 514-640-6400

CAGE:36346

=== Contractor Ide

ntification ===

Company Name:HAMPTON ROADS SUPPLY UNION CARBIDE LINDE DIVISION

Address:3450 VIRGINIA BEACH BLVD

Box:12567

City:NORFOLK

State:VA

ZIP:23502-3123

Country:US

CAGE:7D711

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

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

Ingred Name:ARGON

CAS:7440-37-1

===== Hazards Identification

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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:FUMES AND GASES CAN BE DANGEROUS TO YOUR HEALTH AND MAY CAUSE LUNG DISEASE.SHORTTERM OVEREXPOSURE TO FUMES MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA,OR DRYNESS OR IRRITATION OF NOSE, THROAT, O R EYES. SOME TOXIC GASES ASSOCIATED WITH WELDING & RELATED PROCESSES MAY CAUSE PULMONARY EDEMA, ASPHYXIATION, AND DEATH.

Effects of Overexposure:ASPHYXIANT. MODERATE CONCENTRATIONS MAY CAUSE HEADACH, DROWSINESS, DIZZINESS, EXCITATION, EXCESS SALIVATION, VOMITING, AND UNCONSCIOUSNESS. ARGON IS AN ASPHY-XIANT. LACK OF OXYGEN CAN CAUSE DEATH. FUMES AND GASES CAN BE DANGEROUS TO YOUR HEALTH AND MAY CAUSE SERIOUS LUNG DISEASE.

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

First Aid:SKIN/EYE CONTACT: FLUSH WITH WATER. INHALATION: REMOVE TO FRESH AIR. GIVE CPR IF NOT BREATHING AND OXYGEN IF BREATHING IS DIFFICULT. CALL A PHYSICIAN.

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

Extinguishing Media:STOP FLOW OF GAS W/O RISK WHILE CONT WTR SPRAY.ALLOW FIRE TO BRN OUT.ON SITE FIRE BRIGADES MUST COMPLY W/OSHA29CFR1910  
Fire Fighting Procedures:EVACUATE ALL PERSONNEL FROM DANGER AREA. IMMED. COOL CYL. WITH WATER SPRAY FROM MAX DISTANCE, THEN MOVE CONTAINERS AWAY FROM FIRE AREA IF W/O RISK.SHUT LEAK OFF  
Unusual Fire/Explosion  
Hazard:ARGON CANNOT CATCH FIRE. CONTAINER MAY RUPTURE DUE TO HEAT OF FIRE. NO PART OF CONTAINER SHOULD BE SUBJECTED TO A TEMP HIGHER THAN 125F/52C.

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

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM DANGER AREA. USE SELF CONTAINED BREATHING APPARATUS WHERE NEEDED. SHUT OFF CYLINDER IF W/O RISK. VENT AREA OF LEAK OR MOVE CYL TO WELL VENTILATED AREA. TEST AREA FOR SUFFICI OXY CONTENT PRIOR TO PERMITTING RE

-ENTRY.

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Handling and Storage  
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Handling and Storage Precautions:PREVENT FIRES. STORE/USE WITH ADEQUATE VENTILATIONTHE DEFECT PRODUCED BY AN ARC BURN COULD LEAD TO CYLINDER RUPTURE. DO NOT GROUND CYLINDER.

Other Precautions:SEE NFPA 51B

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Exposure Controls/Personal Protection  
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Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WORKING IN CON- FINED SPACE OR WHERE LOCAL EXHAUST

OR VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:USE ENOUGH VENTILATION, LOCAL EXHAUST OR BOTH, TO KEEP FUMES& GASES BELOW TLV'S IN THE WORKERS BREATHING ZONE & AREA.

Protective Gloves:WELDING GLOVES

Eye Protection:WEAR HELMET OR USE FACE SHIELD

Other Protective Equipment:AS NEEDED, WEAR HAND, HEAD,AND BODY PROTECTION WHICH HELP TOPREVENT INJURY FROM RADIATION, SPARKS, & ELECTRICAL SHOCK.

Supplemental Safety and Health

WHEN TWO OR MORE GASES, OR LIQUEFIED GASES A

RE MIXED, THEIR HAZARDOUS

PROPERTIESMAY COMBINE TO CREATE ADDITIONAL, UNEXPECTED HAZARDS.

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Physical/Chemical Properties  
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Boiling Pt:B.P. Text:-185C/-302F

Vapor Pres:GAS

Vapor Density:\*SEE BELOW

Spec Gravity:GAS

Solubility in Water:NEGLIBLE

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

Percent Volatiles by Volume:100

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Stability and Reactivity Data  
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Stability Indicator/Materials

to Avoid: YES

NK \*VAP DENS: 1.378 @ 21.2C/70F

Stability Condition to Avoid: HIGH PRESSURE GAS. CLOSE VALVE WHEN NOT IN USE & WHEN EMPTY. USE WITH EQUIP RATED TO WITHSTAND PRESSURE. DON'T GROUND CYL.

Hazardous Decomposition Products: OZONE & NITROGEN OXIDES MAY BE FORMED BY THE RADIATION FROM ARC.

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

Waste Disposal Methods: SLOWLY RELEASE INTO ATMOSPHERE. DISCARD ANY PRODUCT RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER IN FULL COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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