

## **ARGON**

### **MSDS Number**

BHCYV

### **National Stock Number**

6830-00-167-0778

### **Product Name**

ARGON

### **Manufacturer**

UNION CARBIDE CORP

### **Product Identification**

Product ID:ARGON  
MSDS Date:12/01/1986  
FSC:6830  
NIIN:00-167-0778  
MSDS Number: BHCYV

### **Responsible Party**

UNION CARBIDE CORPORATION  
39 OLD RIDGEBURY ROAD  
DANBURY , CT 06817-0001  
US  
Emergency Phone: 1-800-822-4357 CANADA 514-640-6400

Cage: 36346

### **Contractor**

UNION CARBIDE CORP LINDE DIV  
DANBURY, CT 06817-0001  
US  
800-822-4357; 304-744-3487

Cage: 36346

### **Ingredients**

ARGON  
CAS: 7440-37-1  
Fraction By Weight: 100%

### **Hazards**

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,ORDRYNESS OR IRRITATION OF NOSE, THROAT, O R EYES. SOME TOXIC GASES ASSOCIATED WITHWELDING & RELATED PROCESSES MAY CAUSE PULMONARY EDEMA, ASPHYXIATION, AND DEATH.  
Effects of Overexposure:ASPHYXIANT. MODERATE CONCENTRATIONS MAY CAUSE HEADACH, DROWSINESS, DIZZINESS, EXCITATION, EXCESS SALIVATINO, VOMITING, AND UNCONSCIOUSNESS. ARGON IS AN ASPHY-XIANT. LACK OF OXYGEN CAN CAUSE DEATH. F UMES AND GASES CAN BE DANGEROUS TO YOURHEALTH AND MAY CAUSE SERIOUS LUNG DISEASE.

### **First Aid**

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

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

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 MOV CYL TO WELL VENTILATED AREA. TEST AREA FOR SUFFICI OXY CONTENT PRIOR TO PERMITTING RE-ENTRY.

## Handling

Handling and Storage Precautions:PREVENT FIRES. STORE/USE WITH ADEQUATE VENTILATION THE DEFECT PRODUCED BY AN ARC BURN COULD LEAD TO CYLINDER RUPTURE. DO NOT GROUND CYLINDER.  
Other Precautions:SEE NFPA 51B

## Exposure Controls

Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WORKING IN CONFINED 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 TO PREVENT INJURY FROM RADIATION, SPARKS, & ELECTRICAL SHOCK.  
Supplemental Safety and Health  
WHEN TWO OR MORE GASES, OR LIQUEFIED GASES ARE MIXED, THEIR HAZARDOUS PROPERTIES MAY COMBINE TO CREATE ADDITIONAL, UNEXPECTED HAZARDS.

## Chemical Properties

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

## Stability

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

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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