

ARGON

MSDS Number

BHCYW

National Stock Number

6830-00-167-0779

Product Name

ARGON

Manufacturer

UNION CARBIDE CORP

Product Identification

Product ID:ARGON
MSDS Date:12/01/1986
FSC:6830
NIIN:00-167-0779
MSDS Number: BHCYW

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

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:ASPHYXIAN. 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. INHILATION: REMOVE TO FRESH AIR. GIVE CPR IF NOT BREATHING AND OXYGEN IF BREATHING IS

DIFFICULT. CALL A PHYSICIAN.

Fire Fighting

Extinguishing Media:STOP FLW 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 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 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 PRODUCTION RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER IN FULL COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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