

UNION CARBIDE CHEMICALS AND PLASTICS CO INC -- ARGON -- 6685-00-473-2419

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

Product ID:ARGON

MSDS Date:12/01/1986

FSC:6685

NIIN:00-473-2419

MSDS Number: BXHNB

=== Responsible Party ===

Company Name:UNION CARBIDE CHEMICALS AND PLASTICS CO INC

Address:39 OLD RIDGEBURY RD

City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Info Phone Num:203-794-6753

Emergency Phone Num:20

3-794-6753

CAGE:0TAZ2

=== Contractor Identification ===

Company Name:MOELLER INSTRUMENT CO

Address:126 MAIN ST

Box:668

City:IVORYTON

State:CT

ZIP:06442

Country:US

Phone:860-767-2104

CAGE:76526

Company Name:UNION CARBIDE CORPORATION

Address:39 OLD RIDGEBURY RD

Box:City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Phone:1-800-568-4000 / 732-563-5522

CAGE:0TAZ2

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

Ingred Name:ARGON

CAS:7440-37-1

Fraction by Wt: 100%

Other REC Limits:

NONE DETERMINED

===== Hazards Identification =====

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED

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

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

Health Hazards Acute and Chronic:SWALLOWING:PRODUCT IS GAS AT NORMAL TEMPERATURE. SKIN:NO EVIDENCE OF ADVERSE EFFECTS AVAILABLE.

INHALATION:ASPHYXIAANT. MODERATE CONCENTRATIONS MAY CAUSE HEADACHE, DROWSINESS, DIZZINESS, EXCITATION, EX

CESS SALVATION, VOMITING,

UNCONSCIOUSNESS. EYE:NO HARMFUL EFFECT EXPECTED FROM VAPOR.

CHRONIC-NO ADVERSE EFFECT EXPECTED

Explanation of Carcinogenicity:MANUFACTURER GAVE NO INFORMATION ABOUT CARCINOGENICITY. HMIS DOES NOT EXPECT IT TO BE CARCINOGENIC.

Effects of Overexposure:ASPHYXIAANT. MODERATE CONCENTRATIONS MAY CAUSE HEADACH, DROWSINESS, DIZZINESS, EXCITATION, EXCESS SALIVATION,

VOMITING, UNCONSCIOUSNESS. LACK OF OXYGEN CAN CAUSE DEATH. WELDING & CUTTING FUMES & GASES

CAN BE DANGEROUS TO YOUR HEALTH & MAY CAUSE SERIOUS LUNG DISEASE.

Medical Cond Aggravated by Exposure:OVEREXPOSURE IS UNLIKELY TO AGGRAVATE EXISTING MEDICAL CONDITIONS.

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

First Aid:SWALLOWING:PRODUCT IS GAS AT NORMAL TEMPERATURE & PRESSURE.

SKIN:FLUSH W/WATER. INHALATION:REMOVE TO FRESH AIR. GIVE ARTIFICAIL RESPIRATION IF NOT BREATHING. GIVE OXYGEN IF BREATHING IS

DIFFICULT. CAL L A PHYSICIAN. EYE:FLUSH W/

WATER.

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

Extinguishing Media:ARGON CANNOT CATCH FIRE. USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:EVACUATE ALL PERSONNEL FROM DANGER AREA. COOL CYLINDER WITH WATER SPRAY FROM MAX DISTANCE, THEN MOVE CONTAINERS AWAY FROM FIRE AREA IF W/O RISK. SHUT OFF LEAK.

Unusual Fire/Explosion Hazard:ARGON CANNOT CATCH FIRE. CONTAINER MAY RUPTURE DUE TO HEAT OF FIRE. DO NOT SUBJECT CONTAINER TO TEM

PERATURE > 125F/52C. MOST CONTAINERS HAVE PRESSURE RELIEF.

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

Spill Release Procedures:EVACUATE PERSONNEL FROM DANGER AREA. USE SELF  
CONTAINED BREATHING APPARATUS. SHUT OFF CYLINDER IF W/O RISK. VENT  
AREA OF LEAK OR MOVE CYLINDER TO WELL VENTILATED AREA. TEST AREA  
FOR SUFFICIENT OXYGEN CONTENT PRIOR TO PERMITTING RE-ENTRY.

Neutralizing Agent:MFR GAVE NO INFORMATION ON MSDS.

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

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 & ANSI Z49.1

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

Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED  
RESPIRATOR WHEN WORKING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR  
VENTILATION DOES NOT KEEP EXP  
OSURE BELOW TLV. SELECT PER  
OSHA29CFR1910.134.

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 RECOMMENDED

Eye Protection:WEAR HELMET W/FILTER LENS

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

Work Hygienic Practices:MFR:? HMIS:USE GOOD INDUSTRIAL HYGIENE  
PRACTIC

ES. MINIMIZE CONTACT & WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

NONE

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

HCC:G3

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:-301F,-185C

Melt/Freeze Pt:M.P/F.P Text:-308F,-189C

Vapor Pres:GAS

Vapor Density:1.378

Spec Gravity:GAS

Solubility in Water:NEGLIBLE

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

Percent Volatiles by Volume:100

===== Stability and Reac

tivity Data =====

Stability Indicator/Materials to Avoid: YES

NONE CURRENTLY KNOWN. ARGON IS CHEMICALLY INERT.

Stability Condition to Avoid: HIGH PRESSURE GAS. CLOSE VALVE WHEN NOT IN USE &/OR EMPTY. USE W/EQUIP RATED TO WITHSTAND PRESSURE. DO NOT GROUND CYL.

Hazardous Decomposition Products: HAZARDOUS COMPOUNDS COME FROM THE PROCESS NOT ARGON. OZONE & NITROGEN OXIDES MAY BE FORMED BY THE RADIATION FROM ARC.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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===== 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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