

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:203-794-6753

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:ASPHYXIAN. MODERATE CONCENTRATIONS MAY CAUSE HEADACHE, DROWSINESS, DIZZINESS, EXCITATION, EXCESS 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:ASPHYXIAN. 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 TEMPERATURE > 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 =====

Handling and Storage Precautions:PREV
ENT 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 EXPOSURE BELOW TLV. SELECT PER
OSHA29CFR1910.134.
Ventilation:U
SE 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
PRACTICES. MINIMIZE CONTACT & WASH THOROUGHLY AFTER HANDLING.
Supplemen
tal 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 Reactivity 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.

===== 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.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and

disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.