

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:2

03-794-6753

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, E

XCESS 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 & GASE

S 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

TE

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: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 EXPOSURE 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 PRACTICES.

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 Reactions =====

ctivity 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, e

xpressly 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.