

UNION CARBIDE CORPORATION -- ARGON -- 6830-00-167-0779

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

Product ID:ARGON

MSDS Date:12/01/1986

FSC:6830

NIIN:00-167-0779

MSDS Number: BHCYW

=== Responsible Party ===

Company Name:UNION CARBIDE CORPORATION

Address:39 OLD RIDGEBURY ROAD

City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Emergency Phone Num:1-800-822-4357 CANADA 514-640-6400

CAGE:36346

=== Contractor Id

entification ===

Company Name:HAMPTON ROADS SUPPLY UNION CARBIDE LINDE DIVISION

Address:3450 VIRGINIA BEACH BLVD

Box:12567

City:NORFOLK

State:VA

ZIP:23502-3123

Country:US

CAGE:7D711

Company Name:UNION CARBIDE CORP LINDE DIV

Address:39 OLD RIDGEBURY RD

Box:City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Phone:800-822-4357; 304-744-3487

CAGE:36346

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

Ingred Name:ARGON

CAS:7440-37-1

===== Hazards Identification

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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. FUMES AND GASES CAN BE DANGEROUS TO
YOURHEALTH AND MAY CAUSE SERIOUS LUNG DISEASE.

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First Aid Measures

First Aid:SKIN/EYE CONTACT: FLUSH WITH WATER. INHILATION: REMOVE TO
FRESH AIR. GIVE CPR IF NO
T BREATHING AND OXYGEN IF BREATHING IS
DIFFICULT. CALL A PHYSICIAN.

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Fire Fighting Measures

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 FROMMAX DISTANCE, THEN MOVE
CONTAINERS AWAY FROM FIRE AREA IF W/O RISK.SHUT LEAK OFF

Unusual Fire/Explosio

n 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.

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Accidental Release Measures

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 MOVCYL TO WELL VENTILATED AREA.
TEST AREA FOR SUFFICI OXY CONTENT PRIOR TO PERMITTING R

E-ENTRY.

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

Handling and Storage Precautions:PREVENT FIRES. STORE/USE WITH ADEQUATE VENTILATIONTHE DEFECT PRODUCED BY AN ARC BURN COULD LEAD TO CYLINDER RUPTURE. DO NOT GROUND CYLINDER.

Other Precautions:SEE NFPA 51B

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

Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WORKING IN CON- FINED SPACE OR WHERE LOCAL EXH AUST

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 TOPREVENT INJURY FROM RADIATION, SPARKS, & ELECTRICAL SHOCK.

Supplemental Safety and Health

WHEN TWO OR MORE GASES, OR LIQUEFIED GASES

ARE MIXED, THEIR HAZARDOUS

PROPERTIESMAY COMBINE TO CREATE ADDITIONAL, UNEXPECTED HAZARDS.

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===== Physical/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

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===== Stability and Reactivity Data =====

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 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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