



DISTRIBUTED BY: **Josef Gas.**

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFIER: **ARGON, COMPRESSED**

Product Name(s): Argon, Compressed Formula: AR

Synonym(s): NONE Chemical Family: ELEMENT

PRODUCT USE(S): Inert Gas Shield for Arc Welding
Incandescent lamp industry for
the filling of light bulbs. W.H.M.I.S. Classification
Class(es): A

HAZARDOUS INGREDIENTS:

INGREDIENT PARAMETERS	C.A.S. / P.I.N. NUMBER(S)	CONC. % VOL./VOL.	L.D. 50 (Species & Route)	L.C. 50 (Species & Route)
--------------------------	------------------------------	----------------------	------------------------------	------------------------------

ARGON	7440371/1006	APPR. 100	NOT APPL.	NOT APPL.
-------	--------------	-----------	-----------	-----------

PHYSICAL DATA

PHYSICAL STATE:	Gas @ N.T.P.
ODOUR AND APPEARANCE:	Colourless and Odourless
ODOUR THRESHOLD:	NONE
SPECIFIC GRAVITY (air=1):	1.39 (@ Boiling Point)
VAPOUR PRESSURE:	Container Rated Pressure
VAPOUR DENSITY:	1.380 @ 101.325 Kpa @ 0°C
EVAPORATION RATE:	Rapid
BOILING POINT:	-185.9°C (-302.9°F)
FREEZING POINT:	-189.4°C (-308.9°F)
pH:	Not Applicable

COEFFICIENT OF WATER/OIL DISTRIBUTION:	Not Applicable
SOLUBILITY IN WATER:	0.0337 (vol./vol.)
% VOLATILES:	100

FOR TRANSPORT EMERGENCY CALL COLLECT CANUTEC TEL: 1-613-996-6666

UYI 103-2

FIRE OR EXPLOSION HAZARDS

CONDITIONS OF FLAMMABILITY:	NONE. Argon will not support or sustain combustion of other materials.
MEANS OF EXTINCTION:	Cool containers with water spray. Extinguish surrounding fire(s).
FLASH POINT:	NONE
UPPER FLAMMABLE LIMIT:	NONE
AUTOIGNITION TEMPERATURE:	NONE
HAZARDOUS COMBUSTION PRODUCTS:	NONE
SENSITIVITY TO MECHANICAL IMPACT:	NONE
SENSITIVITY TO STATIC DISCHARGE:	NONE
SPECIAL PROCEDURES:	Evacuate areas where a leak or a spill is present. Use SCBA if in an enclosed area. Container may rupture if subjected to localized heating.

REACTIVITY DATA

CONDITIONS OF CHEMICAL UNSTABILITY:	NONE
INCOMPATIBILITY:	NONE
CONDITIONS OF REACTIVITY:	NONE
HAZARDOUS DECOMPOSITION PRODUCTS:	NONE

TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY	
SKIN (CONTACT):	NO
SKIN (ABSORPTION):	NO
EYE CONTACT:	NO
INHALATION:	NO
INGESTION:	NO

EFFECTS OF ACUTE EXPOSURE:

May displace air in enclosed spaces. If oxygen concentration falls below 18% symptoms of asphyxia may develop. Symptoms may include: nausea, dizziness, unconsciousness, convulsions, coma and death.

EFFECTS OF CHRONIC EXPOSURE: NONE KNOWN

EXPOSURE LIMITS:	Maintain ambient oxygen concentration above 18%
IRRITANCY:	NONE
SENSITIZATION:	NONE
CARCINOGENICITY:	NONE
REPRODUCTIVE TOXICITY:	NONE
TERATOGENICITY:	NONE
MUTAGENICITY:	NONE
TOXIC SYNERGISTIC PRODUCTS:	NONE

FIRST AID

EYE: Gas may harm the unprotected eye if delivered at pressures higher than atmospheric. Obtain medical attention if damages are suspected or present.

INGESTION: Not applicable

INHALATION: Move victim to fresh air if possible. Administer C.P.R. if breathing has stopped. If breathing is difficult give oxygen. Obtain medical attention.

SKIN: Not applicable

PREVENTIVE MEASURES

PERSONAL PROTECTION

EYE: Safety glasses or goggles to protect eyes from gas under pressure.

HAND: Work gloves

FEET: Safety footwear where applicable.

CLOTHING: Long sleeves, trousers recommended.

RESPIRATOR: Not applicable where oxygen concentration is kept above 18%.

ENGINEERING CONTROLS: Provide ventilation. Keep oil, grease, and combustible materials away.

SPILL AND LEAK PROCEDURE:

Leave danger area. Try to stop the leak at source if without risk. Gas will dissipate depending on the site/area ventilation. Verify oxygen concentration prior to re-entry.

WASTE DISPOSAL:

No wastes may be generated other than empty containers. Return empty containers as the case may be. Disposal of waste containers must be done in accordance with Federal, Provincial and Municipal regulations.

HANDLING PROCEDURES & EQUIPMENT:

Use in ventilated areas. Keep away from Oil, Grease, Combustible, Flammable materials.

Use appropriate carts for moving containers. Secure container when in use. Close the container valve when NOT in use, or when empty. Keep away from heat, flames, sparks.

STORAGE REQUIREMENTS:

Store in well ventilated areas. Keep away from sources of ignition. Keep containers upright. Store at temperatures below 52°C.

SPECIAL SHIPPING INFORMATION:

Transport upright in well-ventilated vehicle. Do not transport in trunk of enclosed vehicle. Commercial quantities (cylinders) may NOT be transported in passenger compartments.

Secure containers during transportation and ensure that valve protection is in place.

T.D.G. SHIPPING NAME:	Argon, Compressed	T.D.G. CLASSIFICATION CLASS(ES):	2.2
T.D.G. P.I.N. / U.N. :	1006		

PREPARED BY: **JOSEF GAS**

TEL: (416) 658-1212

EFFECTIVE DATE: JANUARY 1 2016