

# Material Safety Data Sheet

Argon Gas (Pure) (RXSOL-66-6604-010)



## 1. Product and Company Identification

Product Name Argon Gas (Pure)

Product Type RXSOL-66-6604-010

Company Details:  
RX MARINE INTERNATIONAL  
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## 2. Composition / information on ingredients

| CAS NO.   | Gas Component | Percentage |
|-----------|---------------|------------|
| 7440-37-1 | Argon         | > 99       |

## 3. Hazards Identification

|                       |                                                                                                                                                                    |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard Identification | Simple Asphyxiant _ This Product does not contain oxygen and may cause asphyxia if release in a confined area. maintain oxygen levels above 19.5% Non - flammable. |
| Simple Asphyxiant     | This Product does not contain oxygen and may cause asphyxia if release in a confined area. maintain oxygen levels above 19.5% Non - flammable.                     |
| WHIMIS Symbol         | A - Compressed Gas.                                                                                                                                                |
| NFPA Ratings          |                                                                                                                                                                    |
| Health                | = 0 (Blue)                                                                                                                                                         |
| Fire                  | = 0 (Red)                                                                                                                                                          |
| Reactivity            | = 0 (Yellow)                                                                                                                                                       |
| Specific Hazard       | = SA                                                                                                                                                               |

## 4. First Aid Measures

|                    |                                                                                      |
|--------------------|--------------------------------------------------------------------------------------|
| After inhalation   | Supply fresh air ; consult doctor in case of complaints.                             |
| After Skin Contact | Generally the product does not irritate.                                             |
| After Eye Contact  | Rinse opened eye for at least 15 minutes under running water, Then consult a doctor. |
| After Swallowing   | Not applicable.                                                                      |

## 5. Fire-fighting Measures

|                               |                                                                                            |
|-------------------------------|--------------------------------------------------------------------------------------------|
| Suitable extinguishing agents | CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. |
|-------------------------------|--------------------------------------------------------------------------------------------|

|                      |                                             |
|----------------------|---------------------------------------------|
| Protective equipment | Wear self contained respiratory protective. |
|----------------------|---------------------------------------------|

## 6. Accidental Release Measures

|                                       |                                                                                                                                           |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Person-related safety precautions     | Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Stop leak -only if possible to do so without risk. |
| Measures for environmental protection | Prevent seepage into sewage system, work pits and/or cellars.                                                                             |
| Measure for cleaning /collecting      | Ensure adequate ventilation.                                                                                                              |
| Additional information                | No dangerous substance are released.                                                                                                      |

## 7. Handling and Storage

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical classification | Non hazardous. These Mixtures are non corrosive and be used with any common structural material. Use only in well- ventilated areas. Valve protection caps must remain in place unless container is secured with valve outlet piped to use point. Do not drag, slide or roll cylinders. Use a suitable hand truck for cylinder movement. Use a pressure reducing regulator when connecting cylinder to lower pressure (3000 psig ) piping or system. Do not heat cylinder by any means to increase the discharge rate of product from the cylinder. Use a check valve to trap in the discharge line to prevent hazardous back flow into the system. Protect cylinders from physical damage. Store in the cool, dry well - ventilated area away from heavily trafficked areas and emergency exits. Do not allow the temperature where cylinders are stored to exceed 125°F (52°C). Cylinders should be stored upright and firmly secured to prevent falling or being knocked over. Full and empty cylinders should be segregated. Use a " first in- first out " inventory system to prevent full cylinder from being stored for excessive periods of time. |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 8. Exposure controls and personal protection

|                                                         |                                                                                    |
|---------------------------------------------------------|------------------------------------------------------------------------------------|
| Additional information about design of technical system | Adequate local ventilation. Safety showers and eyewash stations should be nearby . |
|---------------------------------------------------------|------------------------------------------------------------------------------------|

### Exposure Limits

|            |         |                   |
|------------|---------|-------------------|
| Ingredient | Volume% | PER OSHA          |
| Argon      | 100%    | Simple asphyxiant |

|                                          |                                                                                                                                          |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| General protective and hygienic measures | Protective clothing should be kept free of oil and grease. PPE should be inspected and maintained regularly to retain its effectiveness. |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|

|                     |                                                                                                                                                                                                                                                                                                                          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Breathing equipment | Use atmosphere - supplying respirators (eg. supplied - air, demand, pressure- demand, or continuous - flow or self contained breathing apparatus: demand or pressure -demand or combination supplied -air with auxiliary self contained air supply atmosphere supplying respirator) in case of insufficient ventilation. |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                   |                                                                                                                                                               |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective Gloves | The selection of the suitable gloves does not only depend on the material ,but also on further marks of quality and varies from manufacturer to manufacturer. |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                |                 |
|----------------|-----------------|
| Eye protection | Safety Glasses. |
|----------------|-----------------|

## 9. Physical and chemical properties

|                                       |                  |
|---------------------------------------|------------------|
| Physical state ( gas , liquid, solid) | Gas              |
| Odour                                 | Odourless        |
| Colour                                | Colourless       |
| Odour Threshold                       | Not Applicable   |
| Vapour Pressure                       | Not Available    |
| Vapour density (Air= 1)               | 1.38             |
| Evaporation point                     | Not Available    |
| Boiling Point                         | 302.6°F -185.9°C |
| Freezing Point                        | 308.9°F-189.4°C  |
| pH                                    | Not Available    |
| Applicable Specific gravity           | Not Available    |

|                                   |               |
|-----------------------------------|---------------|
| Oil / Water partition coefficient | Not Available |
| Solubilit (H2O)                   | Slight        |

## 10. Stability and reactivity

|                                                 |                                                      |
|-------------------------------------------------|------------------------------------------------------|
| Thermal decomposition / condition to be avoided | No decomposition if uses according to specification. |
| Dangerous reaction                              | No dangerous reaction known.                         |
| Dangerous Product of decomposition              | No dangerous reaction known.                         |

## 11. Toxicological information

|                                   |                                                                                                                                                                                                                                                                                            |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute Toxicity                    | LD/LC50 values that are relevant for classification:LC50>5000ppm                                                                                                                                                                                                                           |
| Primary irritant effect           | On the skin : No irritating effect .On the eye : No irritating effect .Sensitization : No sensitizing effect known .                                                                                                                                                                       |
| Addition toxicological infomation | The product is not subject to classification according to internally approved calculation method for prepration :When used and handled according to specification, the prouduct does not have any harmful effect according according to our experience and the information provided to us. |

## 12. Ecological information

Generally no hazards for water.

## 13. Disposal considerations

|                         |                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Product                 | Unused product should be returned to vendor.                                                                               |
| Residual Pressure       | Do not attempt to dispose of residual waste or unfused quantity.                                                           |
| Cylinder Identification | Return ib the shipping container properly labeled, with valve protection caps, with valve outlet plug and proerly secured. |

## 14. Transport information

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard                      | 2-2 non-flammable/toxic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Identificataion number      | UN1006 .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Proper shipping name        | Argon, Compressed Gas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Other transport information | Avoid transport on vehicles where the load space is not separated from the driver's compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers ensuer that they are firmly secured and: cylinder valve is closed and not leaking. valve outlet cap nut or plug (where provided) is correctly Fitted.valve protection device (where provided) is correctly fitted. there is adequate ventilation.Compliance with applicable regulations. |

## 15. Regulatory information

|                                    |                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DMC technical Guldelines           | ETG43 SARA TITLE III NOTIFICATION & INFORMATION SARA TITLE III -HAZARD CLASSES                                                                                                                                                                                                                                                                                   |
| Actule health Hazard               | Sudden Release of pressure Hazard                                                                                                                                                                                                                                                                                                                                |
| Product related hazard information | Observe the general safety regulation when handling chemical. the product is not subject to identification regulations according to directives on hazarous materials .The product was classofication in accordance with the hazard criteria of the Canadian Controlled Products Regulation ( CPR) and the MSDS contains all the information required by the CPR. |
| Safety phrases                     | Keep in a cool place.                                                                                                                                                                                                                                                                                                                                            |

## 16. Other information

Compressed gas cylinders shall not be refilled without the express written permission of the owner. Shipment of a compressed gas cylinder which has not been filled by the owner or with his / her (written) consent is a violation of transportation regulation. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Please refer to the section 3 for NFPA and HMIS Hazard codes.

Other  
Information

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