

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

**PRODUCT NAME:** C02 / ARGON MIX  
**PART NO:** 6000660 & 6000662  
**COMPANY IDENTIFICATION:** CLARKE INTERNATIONAL,  
HEMNALL STREET, EPPING, ESSEX. CM16 4LG  
**BUSINESS TELEPHONE:** 01992 565300  
**BUSINESS FAX:** 01992 561562  
**EMERGENCY TELEPHONE:** 020 89887400

## 2. COMPOSITION/INFORMATION ON INGREDIENTS:

**Substance/ Preparation** Preparation  
**Components/Impurities** Contains the following ingredients: Argon, Carbon Dioxide  
Contains no other products and/or impurities which affect  
the product's classification  
**EEC No.** Does not apply to mixtures

## 3. HAZARDS IDENTIFICATION:

**Identification of hazards** High concentration can cause asphyxia  
Compressed gas

## 4. FIRST AID MEASURES:

**Inhalation** Low concentrations of C02 increase the respiration  
frequency and cause headaches. High concentrations can  
cause asphyxia. Symptoms may include immobility and/or  
loss of consciousness. The person affected may not be  
aware that he/she is suffering from asphyxia.  
Move the patient to an uncontaminated area using  
breathing apparatus. Keep the patient lying down and  
warm. Call a doctor.  
If the patient stops breathing practise artificial respiration.  
**Swallowing** Very unlikely for this product.

## 5. FIRE PREVENTION:

**Specific risks** If exposed to bare flames the container may rupture and  
explode.  
Not flammable  
**Hazardous combustible products** None  
**Means of extinguishing fire** All known fire extinguishing methods may be used  
**Specific fire extinguishing methods** Stop the leakage where possible.  
Move the container to a safe area and cool with water  
from a protected position.  
**Special protective measures** Use breathing apparatus in confined spaces.

## 6. ACCIDENTAL RELEASE MEASURES:

**Personal safety measures** Evacuate the area.  
Use breathing apparatus when entering the area affected by  
the spillage unless the air has been proved to be breathable.  
Ensure that the area is adequately ventilated.  
**Environment protection** Avoid the product entering the sewers, basement areas,  
evacuations and areas where the accumulation of product  
could be dangerous.  
Try to stop the leak  
**Disposing of the product** Eliminate by ventilation

## 7. HANDLING & STORAGE:

**Handling and storage** Avoid water being drawn into the container.  
Avoid the reflux of gas in the container.  
Use equipment specifically suited to the product, the  
pressure and the operating temperature only. If in doubt,  
check with the gas supplier.  
Follow the supplier's instructions when handling the  
container.  
Ensure that the container is kept at a temperature of below

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50°C and in a well ventilated area.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

**Personal safety** Ensure adequate ventilation

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

**Specific gravity of the gas (area =1)** Heavier than air  
**Solubility in water (mg/l)** Unknown but believed to be very low  
**Apperance** Colourless gas  
**Smell** None  
**Other** Gas/vapour heavier than air. Tends to accumulate in confined spaces especially at or below ground level.

## 10. STABILITY AND REACTIVITY:

**Stability and reactivity** Stable under normal conditions

## 11. TOXICOLOGICAL INFORMATION:

**General Information** At low concentrations causes respiratory deficiency within a very short space of time. Symptoms include headache, nausea and sickness which may lead to loss of consciousness.

## 12. ENVIRONMENTAL POLLUTION

**General Information** The product is not ecologically damaging.

## 13. WASTE DISPOSAL

**General information** The product may be disposed into the atmosphere in well ventilated areas. Do not dispose of in areas where a build-up of product could be dangerous..  
Contact the supplier if instructions for use are required.

## 14. TRANSPORT INFORMATION:

**Designation for transport** Compressed gas (without additional details)  
**UN no.** 1956  
**Class/Div.** 2.2  
**ADR/RID no.** 2.1a  
**ADR labelling** Label 2 : non-flammable, non-toxic gas  
**Other information concerning transport** Avoid the use of vehicles which do not have a separate driver's cab. Ensure that the driver is informed as to the potential hazard risk of the product and how to proceed in the case of accident or emergency.  
Before transporting ensure that the product is well secured and that:  
- the valve on the gas cylinder is tightly closed and does not leak;  
- the blind nipple on the valve (if provided) is mounted correctly;  
- the cap nut (if provided) is mounted correctly;  
- the cargo area is suitably ventilated;  
- all current regulations are complied with.

## 15. REGULATORY INFORMATION:

**Number in attachment 1 of Dir 67/548** Does not apply to preparations.  
**EEC Classification** Proposal forwarded by the Industrial Trade Association  
Not classified as a hazardous substance

### Labelling Of Excipients

**Symbols** Symbols forseen by the ADR are used  
**Hazard warnings** High concentrations of RAs can cause asphyxia  
**Suggested precautions** S9 Store container in a well ventilated area  
S23 Do not inhale gas

## 16. OTHER INFORMATION:

Ensure compliance with all national and regional regulations.  
The risk of asphyxia is often underestimated and must be stressed during operator training.  
Before using this product in any new process or experiment, thorough research must be carried out regarding the safety and the compatibility of the product with the materials in question.

## **SAFETY DATA SHEET**

The information contained in this document is valid at the time of printing. The company is not responsible for any damage caused by the misuse of the product and/or for using the product under conditions other than those foreseen.

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