

	<b>Safety Data Sheet</b>	Revision n. 01 Date of issue 30/08/2013
	<b>ARGON E938, COMPRESSED</b>	

### Section 1: Identification of the substance/ mixture and of the Company


<b>1.1</b>	Identification of the substance or mixture	
	IUPAC name	ARGON
	Synonym	--
	CAS n°	7440-37-1
	EINECS n°	231-147-0
	Number of the substance	--
	Number of registration	Free from the recording obligation according to the enclosures IV and V of the (EC) regulation nr. 1907/2006 (Reach)
<b>1.2</b>	Use of the substance/mixture	
	Foodstuff industry	
	Food additive E938	
<b>1.3</b>	Company identification	
	Corporate name	EUROTRE S.R.L.
	Address	Via A. Volta, 12/13
	City and Country	42024 CASTELNOVO SOTTO (RE) - Italy
	Phone number	+39 0522 485054
	Fax number	+39 0522 964554
	E-mail address	davide_galbersanini@dgsasrl.it
<b>1.4</b>	Phone number for urgent calls	
	+ 39 0522 485054	(working hours)

### Section 2: Classification of the substance and mixture

<b>2.1</b>	Classification of the substance or mixture	
	Classification under (EC) Regulation no. 1272/2008:	GAS UNDER PRESSION – PRESSURIZED GAS – <b>WARNING</b>
	Classification under Directive no. 67/548/CEE:	PRODUCT NOT CLASSIFIED AMONG THE DANGEROUS ONES
<b>2.2</b>	Label elements	
	GHS Danger symbols:	
	Attention:	Warning
	Danger information:	H280: Contains gas under pressure; may explode if heated
	Suggestion - Conservation:	P410 + P403: Protect from sunlight. Store in a well-ventilated place
	Danger symbols under the Directive no.67/578/CEE	
	"R" Phrases	None
	"S" Phrases	None
	ADR labels for transport	 Label No 2.2
<b>2.3</b>	Other dangerous	
	Asphyxiant in high concentrations.	

### Section 3: Composition / information on ingredients

<b>3.1</b>	Substance				
	IUPAC name	Substance number	CAS number	EINECS number	Concentration
	argon	--	7440-37-1	231-147-0	≥ 99,99%
Contains no other components or impurities which will influence the classification of the product.					

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#### Section 4: First aid measures

- 4.1 Description of first aid measures  
Immediately seek medical advice
- 4.2 Most important symptoms and effects, both acute and delayed
- Skin contact:  
Not expected to present a significant skin hazard under anticipated conditions of normal use.
- Eyes contact:  
Not expected to present a significant eyes hazard under anticipated conditions of normal use.
- Inhalation:  
In high concentrations may cause asphyxiation. Symptoms may include loss of mobility/consciousness. Victim may not be aware of asphyxiation. Remove victim to uncontaminated area wearing self contained breathing apparatus. Keep victim warm and rested. Call a doctor. Apply artificial respiration if breathing stopped.

#### Section 5: Fire-fighting measures


- 5.1 Exhtiguishing media  
All known extiguishants can be used.
- 5.2 Special hazards arising from the substance or mixture  
Fire exposure can cause containers to rupture/explode
- 5.3 Special protective equipment for fire fighters  
In confined space use self-contained breathing apparatus
- 5.4 Advice for fire-fighters  
Move away from the container and cool with water from a protected position.  
If possible, stop flow of products

#### Section 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures  
Evacuated unnecessary personnel.  
Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe.  
Ensure adequate air ventilation.
- 6.2 Environmental precautions  
Try to stop release.  
Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous
- 6.3 Methods and material for containment and cleaning up  
Ventilated area.

#### Section 7: Handling and storage

- 7.1 Precautions for safe handling  
Do not eat, drink and/or smoke in the working areas or plants .  
For container handling, use proper personal protective equipment such as safety shoes and gloves.  
Do not allow backfeed into the container.  
Suck back of water into the container must be prevented.  
Use only properly specified equipments which are suitable for this product.  
Open slowly the valve to avoid pressure blows .  
Avoid the direct contact of the product.  
Handle carefully the contains, thus avoiding violent collisions between them or against other surfaces, as well as falls and other mechanical strains susceptible to damage their integrity/resistance.  
Contact your supplier if in doubt.
- 7.2 Condition for safe storage, including any incompatibilities  
Keep container below 50°C in a well ventilated place.  
Avoid against collisions.

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### Section 8: Exposure controls/personal protection

8.1	Control parameters	
8.1.1	Threshold values	Not available
8.2	Exposure controls	
8.2.1	Avoid under-oxygenated atmospheres (O <sub>2</sub> <18%). In high concentrations may cause asphyxiation. Ensure suitable ventilation. Ensure skin and eyes protection appropriate to the conditions of use.	
8.2.2	Skin/face protection:	Use safety glasses and face shield in accordance with EN 166
	Hand protection:	Use guantlet according to EN 388
	Respiratory protection:	No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
		In case of release, please refer to the point 6.1

### Section 9: Physical and chimica protections


9.1	Information on basic physical and chemical properties	
	Molecular weight	40 g/mole
	Melting point	-189°C (1,013 bar)
	Boiling point	-186°C (1,013 bar)
	Critical temperature	-122°C
	Relative density, gas (air=1)	1,4
	Solubility in water (mg/l)	61 (15 °C; 1,013 bar)
	Colour	Colourless
	Odour	No odour warning properties
	Auto-ignition temperature	Not applicable
	Other data	Not flammable
9.2	Other information	
	Gas/vapour heavier than air. May accumulate in confined areas, particularly at ground or below ground level.	

### Section 10: Stability and reactivity

10.1	Reactivity	
	Inert gas	
10.2	Chemical stability	
	Stable under normal conditions	
10.3	Possibility of hazardous reactions	
	No hazardous reaction expected	
10.4	Conditions to avoid	
	Avoid sources of heat/ sparks/ flames and hot surfaces; No smoking	
10.5	Incompatible materials	
	None	
10.6	Hazardous decomposition products	
	None	

### Section 11: Toxicological information

11.1	Information of toxicological effects	
	No known toxicological effects from this product	

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### Section 12: Ecological information


12.1	Toxicity
	No known ecological damage caused by this product
12.2	Persistence and degradability
	No data available
12.3	Biaccumulative potential
	No data available
12.4	Mobility in soil
	No data available
12.5	Results of PBT and vPvB assessment
	It is not requested a chemical safety report
12.6	Other advers effects
	No data available

### Section 13: Disposal considerations

13.1	Waste treatment methods
	The waste treatment methods have to be verified everytime with reference to the waste composition, National and EC standards in force. The handling and precautions in case of accidental waste, please refer to the a/m points 6 and 7. Actions or precautions must be verified accordingly to the waste composition.

### Section 14: Transport information

14.1	UN Number
	UN 1006
14.2	UN proper shipping name
	ARGON, COMPRESSED
14.3	Transport hazard class
	2
14.3	Lable
	2.2
14.4	Packing group
	Not applicable
14.5	Sea transport
	EMS: F-C, S-V
	Proper Shipping name: ARGON, COMPRESSED
14.6	Air transport:
	Cargo
	Packing instruction: 200
	Max. quantity: 75kg
	Passengers
	Packing instruction: 200
	Max. quantity: 150kg
	ERG Code: 2L
14.7	Environmental hazards
	No available data
14.8	Special precautions for users
	Avoid transports on vehicle where the loading area is not separated from the cabin.
	Assure that the drivers knows the potential dangers of the loading and he is able to operate in case of emergency.
14.9	Transport in bulk according to Annex II of MARPOL 73/78 and IB code
	Not applicable

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### Section 15: Regulatory information

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|------|--|
| 15.1 | Safety, health and environmental regulations/legislation specific for the substance or mixture |
|      | Ensure all National/local regulations are observed. Seveso regulation 96/82/EC: not covered.   |
| 15.2 | Chemical safety assessment.  |
|      | It is not requested a chemical safety report   |

### Section 16: Other information

#### GENERAL BIBLIOGRAPHY:

1. (EC) Regulation no. 1907/2006 of the European Parliament (REACH)
2. (EC) Regulation no. 1272/2008 of the European Parliament (CLP)
3. ESIS : European chemical Substances Information System

#### Remark for the User:

The information on this sheet is based on the available knowledge at the time of our last revision.

The user must make sure that information is appropriate and complete for the specific product destination.

This document cannot be considered as a warranty for specific properties of the product.

As product use does not fall on our direct control, the user must bear full responsibility for complying with all the rules and regulations in force relating to hygiene and safety. We disclaim any responsibility for improper uses.