

**SAFETY DATA SHEET**  
According to regulation (EC) 1907/2006Date: 02/10/2012  
Version: 02**1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY**

Number of Safety Data Sheet:

SEH024600.IN.02

Product name:

SEH024600 ROMASSGAS

Distributor's name:

SUPER-EGO TOOLS, S. L.U.  
Ctra. Durango – Elorrio, Km 2  
48220 Abadiano Vizcaya, España  
Telephone: + 34 946 210 100  
Fax: + 34 946 210 131  
E-mail:seguridad@super-ego.es  
www.super-ego.es

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance	Concentration	CAS#	EEC#	HAZARD
Propylene	99.5%	115-07-01	-	R12
Propane	0.5%	74-98-6	-	R12

R12 Extremely flammable

Contains no other substances or impurities that are classified as hazardous for supply as defined in the Dangerous Substances Directive 67/548/EEC (with subsequent amendments and adaptations) and Dangerous Preparations Directive 88/379/EEC (with subsequent amendments and adaptations). In particular, the concentration of dienes, including 1,3 butadiene is less than 0.1%.

**3. HAZARDS IDENTIFICATION**

Liquefied gas under pressure.

Extremely flammable - explosive air/vapour mixtures may form at ambient temperature.

Skin contact with liquid will cause cold burns and frostbite

**4. FIRST AID MEASURES**

Inhalation:

Simple Asphyxiant. May cause drowsiness, headache, blurred vision and irritation of eyes, nose or throat. Remove to fresh air and keep patient warm and calm. If symptoms persist obtain medical advice. Unconscious casualties must be placed in the recovery position. Monitor breathing and pulse rate and if breathing has failed respiration should be assisted, preferably by mouth-to-mouth method. Administer cardiac massage if necessary. SEEK MEDICAL ATTENTION IMMEDIATELY

Eye contact:

Contact with liquid - Flush with water for at least 15 minutes. Apply a sterile, dry dressing. SEEK MEDICAL ATTENTION IMMEDIATELY

Skin contact:

Liquified MAPP gas can cause frostbite. Contact with liquid - Flush with water for at least 15 minutes. Apply a sterile, dry dressing. SEEK MEDICAL ATTENTION IMMEDIATELY

Ingestion:

Not considered a potential route of exposure.

**5. FIRE FIGHTING MEASURES**

MAP-PRO supplied and stored above its flash point - avoid all naked flames. Pressurised containers may rupture/explode. If possible, stop flow of product. Move container away and cool with water from protected position. Do not extinguish a leaking gas flame unless absolutely necessary - spontaneous explosive re-ignition may occur.

Extinguish any other fire.

Extinguishing media:

All known extinguishers can be used.  
Dry powder recommended for small fires.

Exposure hazards from preparation, combustion products, resulting gases etc.:

Incomplete combustion may form carbon dioxide.

Special protective equipment:

In confined space use self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

Extremely flammable gas severe fire +/- or explosion risk.

Extinguish all sources of ignition. Evacuate area, ensure adequate ventilation. If possible, stop flow.

In case of major escape of gas wear self contained breathing apparatus when entering area unless atmosphere is proved to be safe. Prevent accumulation of propane in sewers, basements other enclosed areas - severe explosion risk.

Small quantities of spilled liquid may be allowed to evaporate - vapour should be dispersed by effective ventilation.

**7. HANDLING AND STORAGE**

Handling:

Open valve slowly to avoid pressure shock.

Avoid suck back of water into cylinder.

Avoid back feed into the container.

Only use with equipment which is suitable for this product, its supply, pressure and temperature - contact your supplier in all cases of doubt.

Before using this product in any new process, a thorough material compatibility and safety study should be carried out.

Always check cylinders when first collected, delivered or used, using an approved leak detection fluid.

Always re-check cylinder if dropped, or knocked during use or storage.

Storage:

Keep container below 50°C in a well ventilated area. Ensure equipment is electrically bonded and earthed to prevent static accumulation. Segregate from acetylene, oxidant gases and other oxidants in store.

Cylinder sizes A, B, D and E should remain upright at all times and in the open air.

Refer to supplier's container handling instructions

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Do not smoke while handling product.

Wear suitable head, hand and body protection.

Ensure adequate ventilation.

Keep self-contained breathing apparatus readily available for emergency use.

**OCCUPATIONAL EXPOSURE LIMITS**

	<u>Long term exposure limit</u>	<u>Short term exposure limit</u>
LPG	1000ppm 1750mg/m <sup>3</sup>	31250ppm 2180mg/m <sup>3</sup>

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Version: 02**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Colourless gas.  
Odour: Hydrocarbon  
Vapour Density (air=1): 1.5 @ 32°F  
Boiling point: -54 °F  
Melting point: -301 °F  
Critical temperature: Below ambient temperature  
Auto ignition temperature: 927 °F  
Flammability range: 3.0 - 11.0 vol% in air.  
Relative density, gas: 1.48 (Air = 1)  
Specific gravity: 0.57 (water = 1)  
Vapour pressure 109.73 psig @ 70°F  
Solubility in water: Slight

**10. STABILITY AND REACTIVITY**

May form explosive mixtures with air.  
May react violently with oxidants.  
Hazardous polymerisation will not occur.

**11. TOXICOLOGICAL INFORMATION**

Eyes:  
Contact with liquid will result in serious damage.

Skin:  
Contact with liquid will cause cold burns and frostbite.

Inhalation:  
May cause drowsiness, headache, blurred vision and irritation of eyes, nose or throat.  
High concentrations may have a narcotic effect.

Wilful inhalation of propane may produce unconsciousness and/or death.

**12. ECOLOGICAL INFORMATION**

MAP-PRO is a greenhouse gas.  
No data available.

**13. DISPOSAL CONSIDERATIONS**

Do not dispose of any non-empty LPG container. Cylinders should be emptied and returned to a hazardous waste collection point.

Do not discharge into any area where there is a risk of forming an explosive mixture with air.

Waste gas should be flared through a suitable burner with flash back arrestor. Empty cylinder still contain flammable vapour.

Disposal of waste gas cartridges and aerosols must be disposed of in compliance with the current national and local legislation.

In England and Wales, this is primarily The Hazardous Waste Regulations 2005 ([www.opsi.gov.uk/si/si2005/20050894.htm](http://www.opsi.gov.uk/si/si2005/20050894.htm)) and in Scotland, The Special Waste Regulations 2005 ([www.hmsso.gov.uk/legislation/scotland/ssi2004/20040112.htm](http://www.hmsso.gov.uk/legislation/scotland/ssi2004/20040112.htm)).

The implications of this legislation may require you to register your premises as a producer of hazardous waste and consign this waste in compliance with the above regulations. Further guidance is available at [www.environment-agency.gov.uk](http://www.environment-agency.gov.uk) All waste from commercial activities is controlled waste and therefore, unless used by private individuals for no commercial gain, these articles must be disposed of as such.

The List of Wastes (England) Regulations provides the European Waste Codes (EWC) for these as: 16 05 04\* gases in pressure containers (including halons) containing dangerous substances.

**14. TRANSPORT INFORMATION**

UN Nr.: UN 1077  
Class/Division: 2/2.1  
ADR/RID item Nr.: 2F  
ADR/RID Hazard Nr.: 23  
Tremcard Nr.: 27a  
Group card Nr.: 20gl I  
Labelling ADR Label 3: 2.1 flammable gas

**Further transport advice:**

Avoid transport on vehicles where the load space is not separated from the drivers compartment.

Ensure that the 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 ensure 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
- adequate ventilation
- compliance with applicable regulations

**15. REGULATORY INFORMATION**

Classification: Extremely flammable.  
Symbols: F+  
Risk phrases: R12 Extremely flammable

**Safety phrases:**

- S2 Keep out of reach of children
- S3/9 Keep in a cool and well ventilated place.
- S16 Keep away from sources of ignition - no smoking
- S36/37/39 Wear suitable protective clothing, gloves eye/face protection.

**16. OTHER INFORMATION**

CONCAWE Product dossier "Liquefied Petroleum Gas", 92/102 contains additional toxicological and ecological data.

For further safety information please refer to "Safe Under Pressure" and "Safe handling, storage and transport of Industrial gas cylinders".

Cylinder is manufactured and is compliant with TUV and GS European standards.

Safety data sheet established in application of Authorisation and Restriction of Chemicals (REACH). European Regulation EC N° 1907/2006. All information contained in this sheet is based on our knowledge. This data sheet supplements the instructions include with the product, but don't replace them.