



SAFETY DATA SHEET

1. Product and Company Identification

1.1. Product Name: R1270/Mapp-Pro
1.2. Distributor For Middle-East: Brothers Gas
204, Al Fattan Plaza, Al Garhoud,
Dubai

1.3. Emergency Telephone No.:

FOR MORE INFORMATION CALL:
(Monday-Friday, 8:00am-5:00pm)
+971 4 251 7979

IN CASE OF EMERGENCY CALL:
CHEMTREC: +971 50 221 2656

2. Composition/Information on Ingredient

Chemical Description: Propylene
Hazardous Component: Liquefied Petroleum Gas

3. Hazard Identification

Overview: Flammable gas under pressure. Can form explosive mixture with air. At very high concentrations can displace air and cause asphyxiation.

Potential Health Effects: Contact with liquid or gas under pressure can cause freeze burns.

Eye & Skin contact: Contact with liquid will cause freeze burns.

Inhalation: Simple asphyxiant. Inhalation may cause irritation to the nose and throat, headache, nausea, vomiting, dizziness, euphoria, drowsiness. In poorly ventilated or confined spaces unconsciousness and asphyxiation may result.

Chronic effects: None

4. First Aid Measures

Inhalation: Remove victim to fresh air and keep warm. If breathing fails give artificial respiration. Authorised personnel may give oxygen if breathing is laboured. Obtain immediate medical attention.

Eye Contact: Flush eye for at least 15 minutes holding the eye open. Obtain immediate medical attention.

Skin contact: In case of frostbite or freeze burns immediately apply lukewarm water (do not exceed 30°C) to the affected area to warm up. Get medical attention.

Ingestion: Treat similar manner to Inhalation.

5. Fire Fighting Measures

Flash Point: -108°C

Safety Data Sheet Mapp Gas

Auto flammability: 497°C

Flammability: 2% to 11% in air.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide and various non-combusted hydrocarbons

Extinguishing Media: Small fires can be attacked with dry powder extinguishers. If safe to do so close the container valve and allow to burn out. If unable to cut off the gas supply allow it to burn. If it is not possible to remove any neighbouring gas containers from the immediate area keep them cool with water spray. DO NOT use water or foam to extinguish the fire.

Specific Hazard: Pressurised container. On heating there is a risk of bursting due to internal pressure build-up.

Precautions: Beware of vapour accumulating to form explosive concentrations. Explosive vapours may travel from the source to be ignited and flash back. Water spray may be used for vapour dispersal.

Protection of the fire fighters: In confined spaces use self-contained breathing apparatus.

6. Accidental Release Measures

Evacuate everyone from the area with exception of those dealing with the emergency. Isolate power and extinguish all sources of ignition. Ventilate area and, if safe to do so, isolate gas supply to point of leakage. Disperse gas with water spray. Cover drains, sewers, entrances to basements etc. Inform authorities if major spillage occurs.

7. Handling and Storage

Non-refillable cylinders containing propylene should be stored in an upright position with the connection thread protected with a protective cover. Cylinder storage should be segregated from oxidizers such as oxygen, chlorine etc. And away from heavy traffic areas to prevent knocking over or damage from falling objects. Reference should be made to the relevant Codes of Practice for Safe Storage and Handling of LPG products by HSE and LPGA.

8. Exposure Controls & Personal Protection

Ventilation: Use product in a well ventilated area. Use local ventilation to control exposure of the product to below the recommended limits.

Personal Protection:

Respiratory: If there is a risk of high vapour concentration then respiratory protection should be used.

Eye: Use chemical splash proof glasses or goggles

Protective Clothing: Use protective clothing; face shield and gloves if contact with liquid MAP-pro is possible.

9. Physical and Chemical Properties

Appearance: Colourless liquefied gas.

Boiling Point: -48°C to -23°C

Flash Point: -108°C

Flammability Limits: 2% to 11% in air

Auto Flammability: 497°C

Vapour Pressure: 7.56 Bar at 21°C

Safety Data Sheet Mapp Gas

Density (Liquid): 0.52 kg/l
Vapour Density (Air = 1): 1.5 at 15°C (Air = 1.0)
Solubility in Water: Slight

10. Stability and Reactivity

Stability: Can form explosive mixture with air.

Incompatibility: Strong oxidizers such as nitrates, perchlorates, chlorine and fluorine.

Hazardous Decomposition products: Normal combustion products carbon dioxide, incomplete combustion can produce carbon monoxide. Various hydrocarbons formed when burned.

11. Toxicological Information

Skin Contact: Not applicable
Eye Contact: Not applicable
Carcinogenicity: No known behaviour
Mutagenicity: No known behaviour
Teratogenicity: No known behaviour.

12. Ecological Information

No known ecological damage caused by this product.

13. Disposal Considerations

Releases of vapour are expected to cause only localized non-persistent environmental damage. Waste mixtures containing this gas should not be allowed to enter drains or sewers where there is a danger of the vapours being ignited. When it becomes necessary to dispose of this gas it is preferable to do so as vapour. This gas may be used as an auxiliary fuel or disposed of by flaring in a properly designed flare or incinerator.

14. Transport Information

Class (ADR): 2.1 (Flammable gas)
UN Number: UN1077
Proper Shipping Name (ADR): Propylene, 2.1 (Flammable Gas) UN1077

15. Regulatory Information

Supply Classification Hazard Pictogram: Highly Flammable
Risk Phrases: 11 Highly Flammable
Safety Phrases: 2 Keep out of the reach of children
9 Keep container in well ventilated place
15 Keep away from heat

16. Other Information

Koman's Refrigeration Ltd. believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with any other methods of use of the product and of the information referred to herein are beyond the control of Koman's Refrigeration. Koman's Refrigeration expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.