

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: MAP-PRO® PREMIUM HAND TORCH FUEL

Other Means of Identification: Mixture

Other Name: 1811120, 1811124 CYLINDER MAP-PRO 399.7G YELLOW

Recommended Use of the Chemical and Restriction on Use: Soldering and brazing applications

Details of Manufacturer or Importer:

Bromic Group
10 Phiney Place
Ingleburn NSW 2565 Australia

Phone Number: 612 9426 5222

Emergency telephone number: 1300 276 642

2 . HAZARDS IDENTIFICATION

Hazardous Nature:

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



flame

Flam. Gas 1 H220 Extremely flammable gas.



gas cylinder

Press. Gas C H280 Contains gas under pressure; may explode if heated.

Signal Word Danger

Hazard Statements

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

Precautionary Statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P377 Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

P381 Eliminate all ignition sources if safe to do so.

P410+P403 Protect from sunlight. Store in a well-ventilated place.

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

115-07-1	1-Propene	 Flam. Gas 1, H220;  Press. Gas C, H280	99.5 - 100%
74-98-6	Propane	 Flam. Gas 1, H220;  Press. Gas C, H280	0 - 0.5%

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4 . FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. If frostbite occurs immerse affected area in lukewarm (20-30 °C) water for at least 20 minutes. Seek immediate medical attention.

Eye Contact:

In case of eye contact, hold eyelids open and rinse with lukewarm (20-30 °C) water for at least 15 minutes. Seek immediate medical attention.

Ingestion:

If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: High concentrations may cause anesthetic effects, Central Nervous System (CNS) depression, headache, drowsiness and dizziness. Extremely high concentrations may cause asphyxiation and death by displacing oxygen from the atmosphere.

Skin Contact: Skin contact may cause cold burns or frostbite.

Eye Contact: Eye contact may cause cold burns or frostbite.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water fog, foam, dry chemical, halon or carbon dioxide.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon and various hydrocarbons.

Product is extremely flammable. Vapours are heavier than air and may travel considerable distances to a source of ignition where they can ignite, flashback, or explode.

Do not attempt to extinguish fire until gas source is located.

Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved self-contained breathing apparatus (SCBA) and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and allow the product to evaporate.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. Food, beverages and tobacco products should not be

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stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Do not expose to temperatures exceeding 50 °C.

Keep away from strong oxidising agents, strong acids and halogens. Store away from combustible materials. Do not attempt to refill containers. Do not weld, cut or drill on full or empty containers. Handling equipment must be grounded to prevent sparking. In areas where explosion hazard exists workers should be required to wear non-sparking boots.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:**115-07-1 1-Propene**

NES | Asphyxiant

74-98-6 Propane

NES | Asphyxiant

Engineering Controls:

Maintain air concentration below occupational exposure standards, providing adequate ventilation. Use explosion-proof ventilating equipment.

Respiratory Protection:

Use an approved self-contained breathing apparatus where oxygen levels cannot be maintained above 19.5% (e.g. generation of high concentrations of vapour, inadequate ventilation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Insulated impervious gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against gas. See Australian/New Zealand Standard AS/NZS 1337.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:**Form:**

Gas

Colour:

Colourless

Odour:

Hydrocarbon odour (or mercaptan if odourised)

Odour Threshold:

No information available

pH-Value:

No information available

Melting point/Melting range:

-185 °C

Initial Boiling Point/Boiling Range:

-48 °C

Flash Point:

-108 °C

Flammability:

Extremely flammable

Auto-ignition Temperature:

497 °C

Decomposition Temperature:

No information available

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Explosion Limits:	
Lower:	2 %
Upper:	11 %
Vapour Pressure at 20 °C:	1034.21 kPa
Relative Density:	0.52 (liquid)
Vapour Density at 0 °C:	1.5
Evaporation Rate:	No information available
Solubility in Water:	Slight
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available
% Volatiles by Weight:	100 %

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat, sparks, open flames and other sources of ignition.

Incompatible Materials: Strong oxidising agents, strong acids and halogens.

Hazardous Decomposition Products: Oxides of carbon and various hydrocarbons.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

74-98-6 Propane

Inhalation	LC ₅₀ /4 h	658 mg/L (rat)
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Acute Health Effects

Inhalation:

May cause anesthetic effects, Central Nervous System (CNS) depression, headache, drowsiness and dizziness. Extremely high concentrations may cause asphyxiation and death by displacing oxygen from the atmosphere.

Skin: Skin contact may cause cold burns or frostbite.

Eye: Eye contact may cause cold burns or frostbite.

Ingestion: Ingestion is not considered a potential route of exposure.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity:

Propylene is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

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Chronic Health Effects: No information available**Existing Conditions Aggravated by Exposure:**

Pre-existing respiratory disorders and chronic diseases may be aggravated by exposure.

12 . ECOLOGICAL INFORMATION

Ecotoxicity: No information available**Aquatic toxicity:** No information available**Persistence and Degradability:** No information available**Bioaccumulative Potential:** No information available**Mobility in Soil:** No information available**Other adverse effects:** No information available

13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

UN Number	UN1077
ADG, IMDG, IATA	
Proper Shipping Name	PROPYLENE
ADG, IMDG, IATA	
Dangerous Goods Class	
ADG Class:	2.1
Packing Group:	Not applicable
Marine pollutant:	No
EMS Number:	F-D,S-U
Hazchem Code:	2YE
Limited Quantities:	0
Packagings & IBCs - Packing Instruction:	P200
Portable Tanks & Bulk Containers - Instructions:	T50

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

115-07-1 1-Propene

74-98-6 Propane

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Not Scheduled.

16 . OTHER INFORMATION

Date of Preparation or Last Revision: 26.07.2016

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Prepared by: MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC₅₀: Lethal concentration, 50 percentLD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Flam. Gas 1: Flammable gases, Hazard Category 1

Press. Gas C: Gases under pressure: Compressed gas

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Bromic Group makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.