

# Safety Data Sheet

according to WHS Regulations

Printing date 20.01.2022

Revision: 20.01.2022

## 1 Identification

**Product Name:** MAP-PRO® PREMIUM HAND TORCH FUEL

**Other Means of Identification:** Mixture

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

**Details of Manufacturer or Importer:**

Tesuco Pty Limited  
Unit 12  
110-120 Silverwater Road,  
Silverwater NSW 2128

**Phone Number:** +61 2 9737 9937

**Emergency telephone number:** National Poison Information Centre: 13 11 26

## 2 Hazard(s) 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

Flammable Gases 1

H220 Extremely flammable gas.



gas cylinder

Gases Under Pressure (Compressed gas) 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/sparks/open flames/hot surfaces. 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	99.5 - 100%
	Flammable Gases 1, H220; Gases Under Pressure (Compressed gas), H280	
74-98-6	Propane	0 - 0.5%
	Flammable Gases 1, H220; Gases Under Pressure (Compressed gas), H280	

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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. 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/freezing point:**

-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:****LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:****74-98-6 Propane**Inhalation LC<sub>50</sub>/4 h 658 mg/L (rat)**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:** No information available

## 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

<b>UN Number</b>	UN1077
<b>ADG, IMDG, IATA</b>	
<b>Proper Shipping Name</b>	PROPYLENE
<b>ADG, IMDG, IATA</b>	
<b>Dangerous Goods Class</b>	
<b>ADG Class:</b>	2.1
<b>Packing Group:</b>	Not applicable
<b>Marine pollutant:</b>	No
<b>EMS Number:</b>	F-D,S-U
<b>Hazchem Code:</b>	2YE
<b>Limited Quantities:</b>	0
<b>Packagings &amp; IBCs - Packing Instruction:</b>	P200
<b>Portable Tanks &amp; Bulk Containers - Instructions:</b>	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:** 06.03.2017**Prepared by:** MSDS.COM.AU Pty Ltd

www.msds.com.au

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**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)

LC<sub>50</sub>: Lethal concentration, 50 percentLD<sub>50</sub>: 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)

Flammable Gases 1: Flammable gases – Category 1

Gases Under Pressure (Compressed gas): 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 - February 2016"

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