

# SAFETY DATA SHEET

## 1. IDENTIFICATION

### 1.1 PRODUCT IDENTIFIER

**Product Name:** **PT5 PLUS PETROL TREATMENT with ETHANOL DEFENCE**  
**Product Codes:** 1 x 500ml 50001, 1 Case, 12 x 500ml 80007, 1 x 5L 50026, 1 Case, 4 x 5L 80023, 1 x 20L 80048, 1 x 208L 80089, 1 x 60L 80064  
**UN Number:** Not Applicable

### 1.2 RECOMMENDED USE & RESTRICTION ON USE

Concentrated petrol additive for all types of engines using Unleaded Petrol. Add specified quantity to petrol tank, or to bulk tank, prior to topping up fuel. 20mL treats 25L of fuel. The residual effects last for approximately 180 litres of fuel. The product works whilst you drive.

### 1.3 COMPANY DETAILS

Pro-Ma Systems (AUST) Pty Ltd  
14 Kingston Drive  
Helensvale, Queensland  
Australia 4212  
Telephone: +61 7 5573 8111  
Fax: +61 7 5573 8122  
Email: jeff@proma.global  
Website: www.proma.global

### 1.4 EMERGENCY TELEPHONE NUMBER

Poisons Information 131126

## 2. HAZARDS CLASSIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

HAZARDOUS CHEMICAL: according to classification by SafeWork Australia

NON-DANGEROUS GOODS: according to the Australian Code for Transport of Dangerous Goods

Flammable Liquids (Category 3)  
Aspiration Hazard (Category 1)  
Carcinogenicity (Category 1A)  
Germ cell mutagenicity (Category 1B)

### 2.2 LABEL ELEMENTS

**Signal Word:** DANGER

**Pictogram:**



**Hazard Statement(s):**

H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H313	May be harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H351	Suspected of causing cancer
H411	Toxic to aquatic life with long lasting effects

**Precautionary Statement(s):**

P102	Keep out of reach of children
P103	Read label before use
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P242	Use non-sparking tools
P243	Take precautionary measures against static discharge
P261	Avoid breathing fumes, mist and vapour
P264	Wash hands thoroughly after handling
P271	Only use outdoors in a well-ventilated area
P280	Wear protective gloves/eye protection/face protection

**Response:**

P101	If medical advice is needed, have product container or label at hand.
P313	<b>If exposed or concerned:</b> Get medical advice/attention
P301 + P310 + P331	<b>If swallowed:</b> Immediately call a POISON CENTRE or doctor/physician. <b>DO NOT INDUCE VOMITING</b>
P303 + P361 + P353	<b>If on skin or hair:</b> Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	<b>If inhaled:</b> Remove victim to fresh air and keep in a rest position comfortable for breathing
P305 + P351 + P338	<b>If in eyes:</b> Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	<b>In case of fire:</b> Use Foam, CO <sub>2</sub> , or dry chemical fire fighting apparatus for extinction. Water may be unsuitable as an extinguishing media, but helpful in keeping adjacent containers cool.

**Storage:**

P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up
P411	Store at temperatures not exceeding 40°C (104° F)
P420	Store away from strong oxidising agents, strong acids or bases and selected amines.

**Disposal:**

P501	Dispose of contents/container to an approved waste disposal plant
------	---

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances/Mixtures**

Chemical Name	CAS No.	Weight (%)
Mineral Spirits	8052-41-3	Proprietary
2-Butoxyethanol	111-76-2	Proprietary
1,2,4-Trimethylbenzene	95-63-6	Proprietary
Distillates, (Petroleum), Solvent-refined, Heavy Paraffinic	64741-88-4	Proprietary
Distillates (Petroleum), Hydrotreated Light	64742-47-8	Proprietary
Naphthalene	91-20-3	Proprietary
Xylene	1330-20-7	Proprietary
Methanol	67-56-1	Proprietary
Petroleum distillates, solvent dewaxed heavy paraffinic	64741-89-5	Proprietary
Ethylbenzene	100-41-4	Proprietary

## 4. FIRST AID MEASURES

### 4.1 Description of First Aid Measures:

<b>Eye</b>	If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poison Control Centre, a doctor, or for at least 15 minutes. Remove contact lenses, if present and easy to do, after the first 2 minutes and continue rinsing.
<b>Inhalation</b>	If inhaled, removed from contaminated area. If breathing difficulties, dizziness, or light-headedness occur when working in areas with high vapour concentrations, victim should seek air free of vapours. If breathing stops, begin artificial respiration, and seek medical attention.
<b>Skin</b>	If skin or hair contact occurs, immediately remove contaminated clothing and wash skin and hair with soap and large quantities of water. Seek medical attention if irritation from contact persists.
<b>Ingestion</b>	If swallowed, do NOT induce vomiting. Rinse mouth. If conscious, immediately give 4 to 6 glasses of water. Contact a Poison Control Centre or a doctor (at once).

### 4.2 Most Important Symptoms and Effects, both Acute and Delayed:

Causes irritation to the eyes and skin. Prolonged exposure may contribute to respiratory tract irritation, or central nervous system depression in high concentration.

### 4.3 Immediate Medical Attention:

Advice to doctor; treat as Petroleum Distillate

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing Media:

Use Foam, CO<sub>2</sub>, or dry chemical fire fighting apparatus.

### 5.2 Special Hazards Arising from Substance/Mixture:

Flammable liquid and vapor. Vapours are heavier than air and may accumulate in low areas or areas inadequately ventilated. Vapours may travel along the ground and be ignited at a location distant from handling site; flashback of flame to handling site may occur. Never use a welding or cutting torch on or near container (even empty), as product (even just residue) may ignite explosively.

- **Hazardous Combustion Products** Carbon monoxide, Carbon dioxide (CO<sub>2</sub>)
- **Sensitivity to Static Discharge** Take precautionary measures against static discharge

### 5.3 Advice for Fire Fighters:

Evacuate area and contact emergency services. Toxic fumes of Carbon Monoxide may be involved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including self-contained breathing apparatus (SCBA) when combating fire

### 5.4 Hazchem Code: 3 [Y]

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Remove all sources of ignition. Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Ventilate area where possible. Contact emergency services where appropriate.

### 6.2 Environmental Precautions:

Prevent product from entering soil, ditches, drains and waterways. Non-biodegradable.

### 6.3 Methods and Materials for Containment and Clean Up:

Contain spillage, then cover/absorb with sand or other non-combustible absorbent material, collect and place in containers for treatment and/or disposal. Use clean, non-sparking tools to collect absorbed material.

### 6.4 Other Information:

See sections 8, 12 and 13 for exposure controls and disposal.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for Safe Handling:

Before use carefully read the product label. Use of safe work practices and industrial hygiene are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands after handling. Prohibit eating, drinking and smoking in contaminated areas. Use spark-proof tools and explosion-proof equipment. Take precautionary measures against static discharge.

### 7.2 Conditions for Safe Storage, including Any Incompatibilities:

Ensure container is tightly closed and store in a cool, dry, well-ventilated place. Store away from ignition sources and incompatible materials, (strong oxidizing agents, strong acids, strong bases etc). Keep out of reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control Parameters: Exposure Standards

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Mineral Spirits 175-220	TWA:100 ppm	TWA:500 ppm TWA:2900 mg/m3 (vacated) TWA: 100 ppm (vacated) TWA: 525mg/m3	IDLH: 20000 mg/m3 Ceiling: 1800 mg/m3 15 min TWA: 350 mg/m3
Naphthalene 91-20-3	TWA: 10 ppm S*	TWA:10 ppm TWA:50mg/m3 (vacated) TWA:10 ppm (vacated) TWA:50 mg/m3 (vacated) STEL:15 ppm (vacated) STEL:75 mg/m3	IDLH:250 ppm TWA:10 ppm TWA:50 mg/m3 STEL:15 ppm STEL:75 mg/m3
Petroleum Distillate Fractions 8052-41-3	TWA: 100 ppm; 572 mg/m3	500 ppm; 2,900 mg/m3	TWA: 350 mg/m3; Ceiling: 1800 mg/m3; IDHL: 20,000 mg/m3
Trimethylbenzene 91-20-3	TWA: 25 ppm; 123 ppm	-----	TWA: 250 ppm; 124 mg/m3
Xylene 1330-20-7	TWA: 100 ppm STEL: 150 ppm	100 ppm; 435 mg/m3	-----
Methanol 67-56-1	TWA: 200 ppm; 160 mg/m3 STEL: 250 ppm; 327 mg/m3 Skin designation	200 ppm; 250 mg/m3	TWA: 200 ppm; 260 mg/m3 STEL: 250 ppm; 325 mg/m3 IDHL: 6,000 ppm; Skin designation
Ethylbenzene 100-41-4	TWA: 100 ppm; 434 mg/m3 STEL: 125 ppm; 543 mg/m3	100 ppm; 435 mg/m3	TWA: 100 ppm; 435 mg/m3 STEL: 125 ppm; 545 mg/m3 IDLH: 800 ppm (LEL)

### Biological Limits

Exposure limits not known

### 8.2 Exposure Controls:

**Engineering Controls** Avoid inhalation. Use in well-ventilated areas. Where inhalation risk exists, use mechanical extraction ventilation and/or local ventilation is recommended. Maintain vapour levels below the recommended exposure standard.

### PPE

**Eye/Face** Wear splash proof chemical safety goggles or face shield to safeguard against potential eye contact

**Skin/Body** The use of PVC gloves is advised for prolonged or repeated exposure to prevent skin irritation. Always wear suitable protective clothing.

**Respiratory** Always ensure that there is adequate ventilation. The use of a respirator depends on vapour concentration above the time-weighted TLV. Use half-face filter respirator suitable for organic vapours.

**Hygiene Measures** Facilities storing or using this material should be equipped with an eyewash station and safety shower. Change contaminated clothing. Wash hands after use, before eating, drinking or using the lavatory.

**Environmental Controls** Do not empty into drains. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 General Information:

<b>Appearance</b>	Amber coloured liquid
<b>Odour</b>	Solvent
<b>Flammability</b>	Liquid-not applicable
<b>Flammability Limits</b>	LEL:1.0, UEL: 6
<b>Flash Point</b>	>63°C (145.4°F) PMCC
<b>Initial Boiling Point</b>	159°C (318°F)
<b>Melting Point</b>	Not available
<b>Evaporation Rate</b>	70
<b>pH</b>	Not relevant
<b>Vapour Pressure</b>	2mm Hg
<b>Vapour Density</b>	5.5 (Air = 1)
<b>Specific Gravity</b>	0.899 @ 29°C (84°F)
<b>Solubility</b>	Not available
<b>Solubility (water)</b>	0.1
<b>Partition Coefficient</b>	Not available
<b>Auto Ignition Temp</b>	Not available
<b>Decomposition Temp</b>	Not available
<b>Viscosity</b>	32.5 Secs.(SUS @ 37.8°C) (100°F)
<b>Corrosiveness</b>	Not available
<b>Oxidising Properties</b>	Not available

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity:

Stable. Not reactive under normal conditions

### 10.2 Chemical Stability:

Stable under recommended conditions of storage

### 10.3 Possibility of Hazardous Reactions:

Vapours may form explosive mixture with air. Reacts with strong oxidising agents. Avoid excessive heat and sources of ignition.

### 10.4 Conditions to Avoid:

Avoid heat, sparks, open flames and other ignition sources. Keep out of reach of children.

### 10.5 Incompatible Materials:

Incompatible with strong oxidising agents, strong acids or bases, and selected amines

### 10.6 Hazardous Decomposition Products:

Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide (CO<sub>2</sub>)

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects:

<b>Acute Toxicity</b>	Oral ingestion presents a high aspiration hazard. Acute exposure can lead to central nervous system depression and exposure to very high concentrations in enclosed spaces can lead to drowsiness, dizziness, nausea etc and can eventually lead to unconsciousness.
<b>Skin</b>	Avoid contact with skin. Initial contact may result in irritation and redness. Prolonged exposure may result in dermatitis and possible burns.
<b>Eye</b>	Avoid contact with eyes as it may result in mild irritation.
<b>Inhalation</b>	Avoid breathing in the vapours or mist
<b>Ingestion</b>	Do not taste or swallow

### 11.2 Further Information

#### Chronic Effects

The vapour of Petroleum Distillate Fractions is readily absorbed by inhalation and the hydrocarbons distributed to the blood and other tissues. It is eliminated from the blood in a biphasic manner after exposure. After an initial and very short distribution phase with rapid elimination from the blood, a long phase with considerable slower elimination follows. Significant exposure to this product may adversely affect people with chronic disease of the respiratory system, central nervous system, kidneys, liver, skin and/or eyes.

2-Butoxyethanol (CAS #111-76-2): IARC, Group 3 carcinogen - Not classifiable as to its carcinogenicity to humans. ACGIH, A3 – Confirmed animal carcinogen with unknown relevance to humans. Not listed as a carcinogen by NTP or OSHA.

Naphthalene (CAS #91-20-3): IARC, Group 2B carcinogen - Possibly carcinogenic to humans. NTP, Group R carcinogen - Reasonably anticipated to be a human carcinogen. Not listed by ACGIH or OSHA. Chronic exposure to Naphthalene may cause liver, kidney, eye and lung damage, anaemia and other blood cell anomalies. Laboratory experiments have reported that foetal effects/abnormalities may occur when maternal toxicity is seen. Effects may be delayed. Mutagenic effects have been reported in laboratory experiments.

Xylene (CAS #1330-20-7): IARC, Group 3 carcinogen - Not classifiable as to its carcinogenicity to humans. ACGIH, A4 - Not classifiable as a human carcinogen. Not listed as a carcinogen by NTP or OSHA. Xylene is a developmental hazard - may harm the unborn child based on animal information. It has been associated with low birth weight or size and learning disabilities

Methanol is not listed as a carcinogen by ACGIH, IARC, NTP or OSHA. No data is available regarding the mutagenicity and/or teratogenicity of this material, nor is there any available data that indicates it causes adverse developmental and/or fertility effects in humans. Developmental effects have been observed in the offspring of rats and mice exposed to methanol by inhalation. These included skeletal, cardiovascular, urinary system and central nervous system (CNS) malformations in rats and increased resorptions and skeletal and CNS malformations in mice.

Ethylbenzene (CAS #100-41-0): IARC, Group 2B carcinogen - Possibly carcinogenic to humans. ACGIH, A3 – Confirmed animal carcinogen with unknown relevance to humans. Not listed as a carcinogen by NTP or OSHA. Ethylbenzene may have teratogenic effects based upon results of laboratory experiments.

No data is available regarding the mutagenicity or teratogenicity of this product, nor is there any available data that indicates it causes adverse developmental or fertility effects.

Handle in accordance with good industrial hygiene and safety practice.

**12. ECOLOGICAL INFORMATION****12.1 Toxicity**

The ecological characteristics of this product have not been investigated; however, based on the components, it is expected to be toxic to aquatic life with long lasting effects.

**12.2 Persistence and degradability**

Product is expected to biodegrade over time.

**12.3 Bioaccumulation potential**

Product is insoluble in water and has low mobility in soil. Adsorbs to soil, helping it remain stationary.

**12.4 Mobility**

This product has the potential to bioaccumulate.

**12.5 Results of PBT and vPvB assessment**

No data available

**12.6 Other adverse effects**

Additional ecological information

Do not allow material to run into surface waters, wastewater or soil.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**13. DISPOSAL CONSIDERATIONS****13.1 General Information:**

Flush spilled material into suitable areas or containers with large quantities of water. Small amounts of spilled material may be absorbed into a suitable absorbent. Dispose of product in accordance with local Council and EPA Regulations

**14. TRANSPORT INFORMATION**

**Note:** Transportation information is provided for reference only. Customer is urged to consult ADG, IMDG, IATA information manuals for detailed regulations and exceptions covering specific container sizes, packing materials and methods of shipping.

	LAND TRANSPORT (ADGC7.4)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
<b>14.1 UN Number</b>	N/A	N/A	1268
<b>14.2 Proper Shipping Name</b>	N/A	N/A	Petroleum Products N.O.S (Aliphatic hydrocarbons)
<b>14.3 Dangerous Goods Class</b>	N/A	N/A	3
<b>14.4 Packing Group</b>	N/A	N/A	III

**14.5 Environmental Hazard:**

Marine Pollutant

**14.6 Special Precautions for User:**

Hazchem Code 3 [Y]

**15. REGULATORY INFORMATION****15.1 General Information:**

Poisons Schedule No: S5

USA National Fire Protection Association: Hazard 1 (Fire Hazard)

USA National Fire Protection Association: Hazard 0 (Reactivity Hazard)

**15.2 International Inventories:**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Mineral Spirits	Present	X		Present		Present	X	Present	X	X
Naphthalene	Present	X		Present		Present	X	Present	X	X
Petroleum distillates, solvent dewaxed heavy paraffinic	Present	X		Present		Present	X	Present	X	X

**Legend:****TSCA** – United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** – Canadian Domestic Substances List/Non-Domestic Substances List**EINCS/ELINCS** – European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS** – Japan Existing and New Chemical Substances**IECSC** – China Inventory of Existing Chemical Substances**KECL** – Korean Existing and Evaluated Chemical Substances**PICCS** – Philippines Inventory of Chemicals and Chemical Substances**AICS** – Australian Inventory of Chemical Substances**16. OTHER INFORMATION****16.1 General Information:**Date of Preparation: 7<sup>th</sup> July 2020

Revision Number: 7

Changes in this Revision: Update to Non-DG for Road and Sea

**16.2 Report Status:**

This information relates to the specific material designated, and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of our belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability or completeness of such information for their own particular use. We do not accept any liability for any loss or damage that may occur from the use of this information.

**[ End of SDS ]**