



## Material Safety Data Sheet

### 1. Product and Company Identification

**Product Name** Petrol Treatment  
**Product Use** Fuel Additive  
**CAS No.** Complex Chemical  
**Validation Date** 31 December 2024

#### In Case of Emergency Call :

#### Manufacturer / Supplier

Pheeramas Group Company Limited.  
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### 2. Composition and Information on Ingredients

Note: See section 8 for occupational exposure limits and section 11 for LC50/LD50 information.

**Substance/Preparation** : Preparation

<u>Ingredient Name</u>	<u>CAS No.</u>	<u>Conc. (% w/w)</u>	<u>Classification</u>	<u>WHMIS Regulated?</u>
Petroleum distillates	Mixture	60-100	Xn; R65	Yes.
Petroleum Distillates	Mixture	1-5		No.
Solvent naphtha (petroleum), light aromatic	64742-95-6	1-5	R10	Yes.
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	1-5	Xn; R65	Yes.
Methylcyclopentadienyl manganese tricarbonyl	12108-13-3	1-5	T+; R26	Yes.
Polyolefin phenolic alkyleneamine	Proprietary	1-5	Xi; R36/38	Yes.
Benzene, 1,2,4-trimethyl-	95-63-6	1-5	R10	Yes.
Naphthalene	91-20-3	0.1-1	Xn; R22	Yes.

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### 3. Hazards Identification

**Primary Hazards and Critical Effects**

WARNING!  
CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION.  
FLAMMABLE LIQUID AND VAPOR.  
VAPOR MAY CAUSE FLASH FIRE.

**Environmental Hazards**

: Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

### 4. First Aid Measures

- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
- Ingestion** : DO NOT induce vomiting. If affected person is conscious give plenty of water to drink. Drink two large glasses of water. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- Skin Contact** : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately.
- Eye Contact** : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

### 5. Fire-Fighting Measures

- Extinguishing Media** : In case of fire, use water spray (fog), foam, dry chemicals, or CO<sub>2</sub>.
- Fire-Fighting Procedures** : Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
- Fire/Explosion Hazards** : Flammable liquid and vapor. Vapor may cause flash fire. Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.
- Hazardous Decomposition Products** : These products are carbon oxides (CO, CO<sub>2</sub>). Some metallic oxides.
- Flash point** : Close cup: 56 °C (132.8°F). (Minimum Pensky-Martens.) / / 67 °C (152.6 °F) Typical, Pensky-Martens.

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### 6. Accidental Release Measures

- Personal Precautions** : Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5). Do not touch or walk through spilled material.
- Environmental Precautions and Clean-up Methods** : If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Minimize contact of spilled material with soils to prevent runoff to surface waterways.

**Note:** See section 1 for emergency contact information and section 13 for waste disposal.

### 7. Handling and Storage

- Handling** : Keep away from heat, sparks and flame. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.
- Storage** : Store in a segregated and approved area. Keep container in a well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

### 8. Exposure Controls and Personal Protection

- Engineering Controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.
- Personal Protective Equipment**
- Respiratory System** : Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s).
  - Skin and Body** : Where contact is likely, wear chemical resistant gloves, a chemical resistant suit, and boots. Additional body garments should be used based upon the task being performed.
  - Hands** : Use chemical resistant, impervious gloves.
  - Eyes** : Safety goggles are considered minimum protection. Goggles with a face shield may be necessary depending on quantity of material and conditions of use.
- Occupational Exposure Limits**



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### Ingredient Name

Solvent naphtha (petroleum), light aromatic	<b>OSHA</b> TWA: 500 ppm
Benzene, 1,2,4-trimethyl-	<b>ACGIH</b> TWA: 25 ppm
Solvent naphtha (petroleum), heavy aromatic	<b>OSHA</b> TWA: 500 ppm
Petroleum Distillates	<b>OSHA</b> TWA: 500 ppm
Methylcyclopentadienyl manganese tricarbonyl	<b>ACGIH</b> <b>Skin</b> TWA: 0.2 mg/m <sup>3</sup>

## 9. Physical and Chemical Properties

<b>Physical State and Appearance</b>	: Liquid.
<b>Color</b>	: Amber.
<b>Vapor Density</b>	: The highest known value is 4.15 (Air = 1) (trimethylbenzenes).
<b>Density</b>	: 0.815 g/cm <sup>3</sup> (15°C / 59°F)
<b>Solubility</b>	: Insoluble in cold water.
<b>Viscosity</b>	: < 2cSt @ 40C
<b>Auto-Ignition Temperature</b>	: The lowest known value is 499.9°C (931.8°F) (trimethylbenzenes).
<b>Flash Point</b>	: Closed cup: 56°C (132.8°F). (Minimum Pensky-Martens.) / / 67 C (152.6 F) Typical, Pensky-Martens.

## 10. Stability and Reactivity

<b>Stability</b>	: MMT is extremely photosensitive and decomposes rapidly when exposed to light. Photolytic action converts the organic compound to a mixture of non-hazardous manganese oxides, carbonates and organics derived from methylcyclopentadiene. These decomposition products are less toxic than the neat MMT.
<b>Materials to avoid</b>	: Strong oxidizing and reducing agents.
<b>Conditions to avoid</b>	: High temperatures, spark, and open flames. Exposure to light



## 11. Toxicological Information

<b>Routes of Entry</b>	: Absorbed through skin. Inhalation. Ingestion.
<b>Target Organs</b>	: May cause damage to the following organs: blood, kidneys, lungs, liver, heart, gastrointestinal tract, upper respiratory tract, skin, eyes, central nervous system (CNS), nose/sinuses.
<b>Acute Effects</b>	
<b>Inhalation</b>	: Irritating to respiratory system. (Does not meet EU classification criteria.)
<b>Ingestion</b>	: Aspiration hazard if swallowed- can enter lungs and cause damage.
<b>Skin Contact</b>	: Irritating to skin. (Does not meet EU classification criteria.)
<b>Eye Contact</b>	: Irritating to eyes. (Does not meet EU classification criteria.)
<b>Chronic Effects</b>	
<b>Adverse Effects</b>	: <b>trimethylbenzenes</b> : Adverse symptoms may include: This product contains trimethylbenzene. Literature data indicate that long-term inhalation exposure causes blood effects in laboratory animals.. <b>MANGANESE, TRICARBONYL METHYLCYCLOPENTADIENYL-</b> : Adverse symptoms may include: This product contains MMT. A 90 day chronic inhalation study of MMT indicated that 3 mg/m3 of MMT showed detectable effects in mice. The lungs appear to be the organ most sensitive to MMT both acutely and chronically.. <b>Xylene</b> : High exposures to xylene in some animal studies, often at levels toxic to the mother, affected embryo/fetal development. The significance of this finding to humans is not known.
<b>Carcinogenic Effects</b>	: Not available.

### Toxicity Data

<u><b>Ingredient Name</b></u>	<u><b>Test</b></u>	<u><b>Result</b></u>	<u><b>Route</b></u>	<u><b>Species</b></u>
Not determined.				

## 12. Ecological Information






<b>Environmental Hazards</b>	: Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Based on calculation.
<b>Environmental Fate</b>	: This product contains components which may be persistent in the environment.

## 13. Disposal Consideration

<b>Waste Handling and Disposal</b>	: Waste must be disposed of in accordance with federal, state and local environment control regulations.
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### 14. Transport Information

Regulatory Information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
DOT Classification	NA1993	Combustible liquids, n.o.s.	Combustible liquid	III		-
TDG Classification	UN1268	PETROLEUM DISTILLATES, N.O.S.(contains solvent naphtha)	3	III		-
ADR/RID Class	UN1268	PETROLEUM DISTILLATES, N.O.S.(contains solvent naphtha)	3	III		<b>Hazard Identification Number</b> 30
IMDG Class	UN1268	PETROLEUM DISTILLATES, N.O.S.(contains solvent naphtha)	3	III		-
IATA-DGR Class	UN1268	PETROLEUM DISTILLATES, N.O.S.(contains solvent naphtha)	3	III		-

#### Notice to Reader

The above transport information is provided to assist in the proper classification of this product and may not be suitable for all shipping conditions.

### 15. Regulatory Information

#### Regulations

**Hazard Symbol(S)** : Xn

**Risk Phrases** : R65- Harmful: may cause lung damage if swallowed. R66- Repeated exposure may cause skin dryness or cracking. R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety Phrases** : S62- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label S23- Do not breath vapor S28- After contact with skin, wash immediately with plenty of water.

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### 16. Other Information

#### PREPARATION INFORMATION

Date of Printing : 1 January 2021

Date of Previous Issue : No Previous Validation

#### Notice to Reader

*This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. Car Cosmetic makes no representation as to completeness or accuracy. In no event will Car Cosmetic be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.*

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