



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 2012

In Case of Emergency Call:

Manufacturer / Supplier

Pheeramas Group Company Limited.

21/492-493 Klongjan Villa 4 Soi Ramkhamhaeng 142, Ramkhamhaeng Rd.,

Saphansung, Bangkok 10240, Thailand

Telephone number: (66) 2728-0845, 2728-0846, 2728-0255

Fax number: (66) 2728-0847 e-mail: info@pheeramas.com Website: www.pheeramas.com

2. Composition and Information on Ingredients

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

Substance/Preparation : Preparation

Ingredient Name	CAS No.	Conc. (% w/w)	Classification	WHMIS Regulated?
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.

MSDS - PETROL TREATMENT : PAGE 1

สำนักงาน: 21/492-493 หมู่บ้านคลองจั่นวิลล่า 4 ซอยรามคำแหง 142 ถนนรามคำแหง แขวงสะพานสูง เขตสะพานสูง กรุงเทพฯ 10240 OFFICE ADDRESS: 21/492-493 Klongjan Villa 4, Soi Ramkhamhaeng 142, Ramkhamhaeng Rd., Saphansung, Bangkok 10240 THAILAND. TEL: (662) 728-0845-6, 728-0255 FAX: (662) 728-0847 www.pheeramas.com, e-mail: info@pheeramas.com











Material Safety Data Sheet

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 CO2.

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, CO2). Some metallic oxides.

Flash point : Close cup: 56 °C (132.8°F). (Minimum Pensky-Martens.) / / 67 C (152.6 F) Typical,

Pensky-Martens.

MSDS - PETROL TREATMENT : PAGE 2

สำนักงาน : 21/492-493 หมู่บ้านคลองจั่นวิลล่า 4 ชอยรามคำแหง 142 ถนนรามคำแหง แขวงสะพานสูง เขตสะพานสูง กรุงเทพฯ 10240 OFFICE ADDRESS : 21/492-493 Klongjan Villa 4, Soi Ramkhamhaeng 142, Ramkhamhaeng Rd., Saphansung, Bangkok 10240 THAILAND.

TEL: (662) 728-0845-6, 728-0255 FAX: (662) 728-0847

www.pheeramas.com, e-mail : info@pheeramas.com











Material Safety Data Sheet

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.

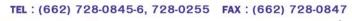
Eyes : Safety goggles are considered minimum protection. Goggles with a face shield may be

necessary depending on quantity of material and conditions of use.

Occupational Exposure Limits

MSDS - PETROL TREATMENT: PAGE 3

สำนักงาน : 21/492-493 หมู่บ้านคลองจั่นวิลล่า 4 ชอยรามคำแหง 142 ถนนรามคำแหง แขวงสะพานสูง เขตสะพานสูง กรุงเทพฯ 10240 OFFICE ADDRESS : 21/492-493 Klongjan Villa 4, Soi Ramkhamhaeng 142, Ramkhamhaeng Rd., Saphansung, Bangkok 10240 THAILAND.













Material Safety Data Sheet

Ingredient Name

Solvent naphtha (petroleum), light aromatic OSHA

TWA: 500 ppm

Benzene, 1,2,4-trimethyl- ACGIH

TWA: 25 ppm

Solvent naphtha (petroleum), heavy aromatic OSHA

TWA: 500 ppm

Petroleum Distillates OSHA

TWA: 500 ppm

Methylcyclopentadienyl manganese tricarbonyl ACGIH

Skin

TWA: 0.2 mg/m³

9. Physical and Chemical Properties

Physical State and Appearance : Liquid.

Color : Amber.

Vapor Density : The highest known value is 4.15 (Air = 1) (trimethylbenzenes).

Density : $0.815 \text{ g/cm}^3 (15^{\circ}\text{C} / 59^{\circ}\text{F})$

Solubility : Insoluble in cold water.

Viscosity : < 2cSt @ 40C

Auto-Ignition Temperature : The lowest known value is 499.9°C (931.8°F) (trimethylbenzenes).

Flash Point : Closed cup: 56°C (132.8°F). (Minimum Pensky-Martens.) / / 67 C (152.6 F)Typical,

Pensky-Martens.

10. Stability and Reactivity

Stability : 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.

Materials to avoid : Strong oxidizing and reducing agents.

Conditions to avoid : High temperatures, spark, and open flames. Exposure to light

MSDS - PETROL TREATMENT : PAGE 4

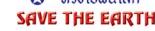
สำนักงาน : 21/492-493 หมู่บ้านคลองจั่นวิลล่า 4 ชอยรามคำแหง 142 ถนนรามคำแหง แขวงสะพานสูง เขตสะพานสูง กรุงเทพฯ 10240 OFFICE ADDRESS : 21/492-493 Klongjan Villa 4, Soi Ramkhamhaeng 142, Ramkhamhaeng Rd., Saphansung, Bangkok 10240 THAILAND.

TEL: (662) 728-0845-6, 728-0255 FAX: (662) 728-0847

www.pheeramas.com, e-mail : info@pheeramas.com











Material Safety Data Sheet

11. Toxicological Information

Routes of Entry : Absorbed through skin. Inhalation. Ingestion.

Target Organs : 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.

Acute Effects

Inhalation : Irritating to respiratory system. (Does not meet EU classification criteria.)

Ingestion : Aspiration hazard if swallowed- can enter lungs and cause damage.

Skin Contact : Irritating to skin. (Does not meet EU classification criteria.)

Eye Contact : Irritating to eyes. (Does not meet EU classification criteria.)

Chronic Effects

Adverse Effects : trimethylbenzenes: Adverse symptoms may include: This product contains trimethylbenzene.

Literature data indicate that long-term inhalation exposure causes blood effects in laboratory

animals..

MANGANESE, TRICARBONYL METHYLCYCLOPENTADIENYL-: 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...

Xylene: 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.

Carcinogenic Effects : Not available.

Toxicity Data

Ingredient Name Test Result Route Species

Not detemined.

12. Ecological Information

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

Based on calculation.

Environmental Fate : This product contains components which may be persistent in the environment.

13. Disposal Consideration

Waste Handling and Disposal : Waste must be disposed of in accordance with federal, state and local environment control

regulations.

MSDS - PETROL TREATMENT : PAGE 5

สำนักงาน : 21/492-493 หมู่บ้านคลองจั่นวิลล่า 4 ซอยรามคำแหง 142 ถนนรามคำแหง แขวงสะพานสูง เขตสะพานสูง กรุงเทพฯ 10240 OFFICE ADDRESS : 21/492-493 Klongjan Villa 4, Soi Ramkhamhaeng 142, Ramkhamhaeng Rd., Saphansung, Bangkok 10240 THAILAND.

TEL: (662) 728-0845-6, 728-0255 FAX: (662) 728-0847

www.pheeramas.com, e-mail: info@pheeramas.com











Material Safety Data Sheet

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	FLAMMABLE LIQUID	-
TDG Classification	UN1268	PETROLEUM DISTILLATES, N.O.S.(contains solvent naphtha)	3	III	FLAMMABLE LIQUID	-
ADR/RID Class	UN1268	PETROLEUM DISTILLATES, N.O.S.(contains solvent naphtha)	3	III	FLAMMABLE LIQUID	<u>Hazard Identification</u> <u>Number</u> 30
IMDG Class	UN1268	PETROLEUM DISTILLATES, N.O.S.(contains solvent naphtha)	3	III	FLAMMABLE LIQUID	-
IATA-DGR Class	UN1268	PETROLEUM DISTILLATES, N.O.S.(contains solvent naphtha)	3	III	FLAMMABLE LIQUID	-

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.

: S62- If swallowed, do not induce vomiting: seek medical advice immediately and show this Safety Phrases

container or label S23- Do not breath vapor S28- After contact with skin, wash immediately with

plenty of water.

MSDS - PETROL TREATMENT : PAGE 6

สำนักงาน : 21/492-493 หมู่บ้านคลองจั่นวิลล่า 4 ซอยรามคำแหง 142 ถนนรามคำแหง แขวงสะพานสูง เขตสะพานสูง กรุงเทพฯ 10240 OFFICE ADDRESS: 21/492-493 Klongjan Villa 4, Soi Ramkhamhaeng 142, Ramkhamhaeng Rd., Saphansung, Bangkok 10240 THAILAND. TEL: (662) 728-0845-6, 728-0255 FAX: (662) 728-0847 www.pheeramas.com, e-mail: info@pheeramas.com









Material Safety Data Sheet

16. Other Information

PREPARATION INFORMATION

Date of Printing : 2 January 2012

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.

ADDRESS CONTACT INFORMATION

Pheeramas Group Company Limited. 21/492-493 Klongjan Villa 4 Soi Ramkhamhaeng 142, Ramkhamhaeng Rd., Saphansung, Bangkok 10240, Thailand

Telephone number: (66) 2728-0845, 2728-0846, 2728-0255

Fax number: (66) 2728-0847 e-mail: info@pheeramas.com Website: www.pheeramas.com

* * * END OF MSDS * * *

MSDS - PETROL TREATMENT : PAGE 7

สำนักงาน : 21/492-493 หมู่บ้านคลองจั่นวิลล่า 4 ซอยรามคำแหง 142 ถนนรามคำแหง แขวงสะพานสูง เขตสะพานสูง กรุงเทพฯ 10240 OFFICE ADDRESS : 21/492-493 Klongjan Villa 4, Soi Ramkhamhaeng 142, Ramkhamhaeng Rd., Saphansung, Bangkok 10240 THAILAND.









