# MATERIAL SAFETY DATA SHEET

## *SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER*

| | |
|---|---|
| **Product Name:** | **PM400 NEWLIFE ENGINE FLUSH SAE 10W20** |
| **Product Code:** | **400** |
| **Product Use:** | **Petroleum Degreaser** |
| **Supplier:** | **PM Lubrication (ABN 95 880 856 055)**<br>**4/105 Archibald Street, Mackay**<br>**Queensland, 4740 Australia**<br>**Phone: +61 (07) 4998 5851** |
| **EMERGENCY TELEPHONE NUMBER:** | **1800 033 111 (Australia)** |
| **<** | |
| **Chemical Nature:** | **Petroleum Hydrocarbon** |
| **Creation Date:** | **25 Sept 2005** |
| **This version issued:** | **8 July 2024** |

## *SECTION 2 – HAZARDS IDENTIFICATION*

**Statement of Hazardous Nature**
This product **is CLASSIFIED** according to Safe Work Australia Criteria
This product is **NOT CLASSIFIED** as a Dangerous Good by the Criteria of the ADG Code

| | |
|---|---|
| **UN No:** | None allocated |
| **DG Class:** | None Allocated |
| **Subsidiary Risk(s):** | None Allocated |
| **Packing Group:** | None allocated |
| **Hazchem Code:** | None allocated |

## *SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS*

| Ingredient | Formula | CAS No. | Content |
|---|---|---|---|
| **Butyldiglycol** | Not available | 112.34.5 | >4 |
| All other ingredients considered Non-Hazardous | Not available | | |

## *SECTION 4 – FIRST AID MEASURES*

**Eye:** If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

**Inhalation:** If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

**Skin:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons I nformation Centre or a doctor.

**Ingestion**: For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

**Advice to Doctor:** Treat symptomatically

## *SECTION 5 – FIRE FIGHTING MEASURES*

**Flammability:** Combustible. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.

**Fire & Explosion:** Evacuate area and contact emergency services. Toxic gases may be evolved 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. Use water-fog to cool intact containers and nearby storage area.

**Extinguishing:** Dry agent, carbon dioxide or foam. Prevent contamination of drains or waterways.

**HazChem Code**: None allocated

## *SECTION 6 – ACCIDENTAL RELEASE MEASURES*

**Spillage:** Use personal protective equipment. Clear area of all unprotected personnel. Ventilate area where possible. Contain spillage, then cover/absorb spill with non-combustible absorbent material (vermiculite, sand or similar), collect and place in suitable containers for disposal.

## *SECTION 7 – STORAGE AND HANDLING*

**Storage:** Store in a cool, dry, well-ventilated area, removed from oxidising agents, acids, alkalis, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should have appropriate fire protection systems. Store as a Class C2 Combustible Liquid (AS1940).

**Handling**: Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

## *SECTION 6 – EXPOSURE CONTROLS AND PERSONAL PROTECTION*

**Exposure Stds**

| Ingredient | Reference | TWA | | STEL | |
|---|---|---|---|---|---|
| Mineral oil mist | SWA (Aus) | - | 5mg/m3 | - | - |

**Biological Limits:** No biological limit allocated.

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

**PPE:** Wear splash-proof goggles and rubber or PVC gloves. When using large quantities or where heavy contamination is likely, wear: coveralls. Where an inhalation risk exists, wear: a Type A (Organic vapour) respirator. With prolonged use, wear: viton (R) or nitrile gloves and coveralls.

## *SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES*

| | | | |
|---|---|---|---|
| **Appearance** | Clear Bright Liquid | **Solubility (Water)** | Insoluble |
| **Odour** | Characteristic Odour | **Specific Gravity** | 0.860 to 0.870 |
| **0 to pH** | Not Relevant | **% Volatiles** | Not Available |
| **Vapour Pressure** | Not Available | **Flammability** | Class C2 Combustible |
| **Vapour Density** | Not Available | **Flash Point** | >196°C |
| **Boiling Point** | Not Available | **Upper Explosion Limit** | Not Available |
| **Melting Point** | Not Available | **Lower Explosion Limit** | Not Available |
| **Evaporation Rate** | Not Available | | |
| **Pour Point** | -16°C | **Viscosity** | 20 cSt-22 cSt @ 40°C |

## *SECTION 10 STABILITY AND REACTIVITY*

| | |
|---|---|
| **Chemical Stability:** | Stable under recommended conditions of storage |
| **Conditions to Avoid:** | Avoid heat, sparks, open flames and other ignition sources |
| **Material to Avoid:** | Incompatible with oxidising agents (eg. Hypochlorites), acids (eg. Nitric Acid), alkalis (eg. Hydroxides), heat and ignition sources |
| **Hazardous Decomposition Products:** | May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition |
| **Hazardous Reactions:** | Polymerization is not expected to occur |

## *SECTION 11 TOXICOLOGICAL INFORMATION*

| | |
|---|---|
| **Health Hazard Summary:** | Low toxicity. Use safe work practices to avoid eye or skin contact and inhalation. The mineral oil contained within this product is highly refined and therefore is not classifiable as to its carcinogenicity in humans (IARC Group 3) |
| **Eye:** | Low to moderate irritant. Contact may result in irritation, lacrimation, pain and redness |
| **Inhalation:** | Low irritant. Over exposure may result in irritation of the nose and throat, with coughing |
| **Skin:** | Low irritant. Prolonged or repeated contact may result in mild irritation, rash and dermatitis |
| **Ingestion:** | Low toxicity. Ingestion of large quantities may result in nausea, vomiting, abdominal pain, diarrhoea, and drowsiness. Aspiration may result in chemical pneumonitis and pulmonary oedema |
| **Toxicity Data:** | No LD50 data available for this product |

## *SECTION 12 ECOLOGICAL INFORMATION*

| | |
|---|---|
| **Environment:** | Mineral oils biodegrade slowly and should not be released to waterways or soil. They can float on water, restricting oxygen exchange with possible asphyxiation of aquatic life. |
| **Ecotoxicity:** | Not classified as dangerous to the aquatic environment. |
| **Persistence/ Degradability:** | Expected to be inherently biodegradable |
| **Mobility:** | Low solubility and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids. |

## *SECTION 13 DISPOSAL CONSIDERATIONS*

| | |
|---|---|
| **Waste Disposal:** | Reuse where possible or return to manufacturer/supplier. May be recycled. Do not release to drains or waterways |
| | **Contact the manufacturer for additional information** |
| **Legislation:** | Dispose of in accordance with relevant local legislation |

## *SECTION 14 TRANSPORT INFORMATION*

**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**

| | | | |
|---|---|---|---|
| **Shipping Name:** | None Allocated | **DG Class:** | None Allocated |
| **UN No:** | None Allocated | **HazChem Code:** | None Allocated |
| **Packing Group:** | None Allocated | **Subsidiary Risk(s):** | None Allocated |

## *SECTION 15 REGULATORY INFORMATION*

| | |
|---|---|
| **Poison Schedule:** | A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) |
| **AICS:** | All chemicals listed on the Australian Inventory of Chemical Substances (AICS) |

## *SECTION 16 OTHER INFORMATION*

**MINERAL OILS - SOLVENT REFINED**: Animal experiments and human experience have not shown cancer risks when handling solvent refined mineral oils, unlike non refined mineral oils. CLEANING MINERAL OIL

**CONTAMINATED CLOTHING**: Cleaners are advised that when cleaning oil contaminated clothing it is essential that freshly distilled solvent is used for each batch, including final rinse, as even filtered solvent will leave oil residues.

## *SECTION 16 OTHER INFORMATION (CONT.)*

**MINERAL OILS – USED**: Used mineral oils in engine crankcases and other high temperature/high stress environments may contain potentially harmful residues, some of which have been shown to cause irreversible skin effects, including cancer. Prolonged and repeated inhalation of mists associated with used mineral oils may result in pulmonary fibrosis.

**MINERAL OILS: - INJECTION**; Where high pressure applications are used the risk of accidental injection under the skin exists and may result in an extremely painful and serious injury requiring immediate medical attention. Depending on the pressure used, mineral oils may be injected a considerable distance below the skin and may cause permanent tissue damage.

**SEEK IMMEDIATE MEDICAL ATTENTION. EXERCISE EXTREME CARE WHEN USING HIGH PRESSURE EQUIPMENT.**

**ABBREVIATIONS:**

**ACGIH** - American Conference of Industrial Hygienists. ADG - Australian Dangerous Goods.
**BEI** - Biological Exposure Indice(s).
**CAS#** - Chemical Abstract Service number - used to uniquely identify chemical compounds.
**CNS** - Central Nervous System.
**EC No** - European Community Number.
**HSNO** - Hazardous Substances and New Organisms.
**IARC** - International Agency for Research on Cancer. mg/m3 - Milligrams per Cubic Metre.
**NOS** - Not Otherwise Specified.
**pH** - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
**ppm** - Parts Per Million.
**RTECS** - Registry of Toxic Effects of Chemical Substances
**STEL** - Short Term Exposure Limit.
**SWA** - Safe Work Australia.
**TWA** - Time Weighted Average.

**HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES**:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

## SECTION 16 OTHER INFORMATION (CONT.)

### Report Status

This document has been compiled by Tru Blu Oil, the product and serves as the manufacturer's Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While Tru Blu Oil has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Tru Blu Oil accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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