



MATERIAL SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: PM400 NEWLIFE ENGINE FLUSH 10W
Product Code: 400
Product Use: Petroleum Degreaser
Supplier: PM Lubrication (ABN 95 880 856 055)
4/105 Archibald Street, Mackay
Queensland, 4740 Australia
Phone: +61 (07) 4998 5851

EMERGENCY

TELEPHONE NUMBER: 1800 033 111 (Australia)

Chemical Nature: Petroleum Hydrocarbon

Creation Date: 25 Sept 2005

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SECTION 2 – HAZARDS IDENTIFICATION

Statement of Hazardous Nature

This product is classified as: Not advised

Risk Phrases: Not advised

Safety Phrases: S23, S24/25. Do not breathe mists. Avoid contact with skin and eyes.

SUSMP Classification: None allocated.

ADG Classification: None allocated. Not a Dangerous Good under the ADG Code.

UN Number: None allocated

HEALTH HAZARD INFORMATION

Inhalation:

Certain operations such as air blowing at elevated temperatures may generate oil mists, which if inhaled in high concentrations, may cause lung irritation. Move to fresh air. Loosen clothing. Keep at rest until fully recovered.

Eye Contact:

Immediately flush eyes with plenty of fresh water for at least 15 minutes. Remove contaminated clothing. any irritation problems in the short or long term.

Skin:

Remove contaminated clothing. Wash with soap and water. Obtain medical attention for any subsequent persistent irritation.

HEALTH HAZARD INFORMATION (CONT.)

Ingestion:

Do not induce vomiting. Give water to dilute. Call physician. Low order of toxicity. Aspiration or severe exposure may cause pneumonitis.

Carcinogen Status:

None supplied however following comments on web

SWA: No significant ingredient is classified as carcinogenic by SWA

NTP: No significant ingredient is classified as carcinogenic by NTP

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM 0 = MINIMUM 4 = SEVERE

This product is rated: Health 1 Personal Protection 0 Reactivity 0
Flammability 2

TOXICOLOGICAL DATA

Toxicity Data:

Threshold Limit Value: Oil Mist – There is no exposure standard allocated to this product.

No adverse effects expected if the product is handled in accordance with this Safety Data Sheet and the Product Label

Oral Toxicity:

Possible irritation of the mouth, gullet and stomach. Vomiting may lead to aspiration into lungs.

Dermal Toxicity:

Prolonged or repeated contact with product may defat or dry the skin resulting in slight irritation or dermatitis

Inhalation Toxicity:

Due to it's low volatility, the material is not an inhalation hazard at ambient temperatures. When heated large quantities of mists or vapours may cause similar effects to ingestion

Eye Irritation:

Slight eye irritation

SECTION 3 – USE INSTRUCTIONS

For what purpose is the product used: As an addition to engine oil to aid removal of contaminants

What are the directions for use: As required by Distributor

SECTION 4 – FIRE FIGHTING MEASURES

Fire and Explosion Hazards: This product is classified as a C2 combustible product. There is little risk of an explosion from this product if commercial quantities are involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures. Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.

Extinguishing Media: Foam, Halon, Carbon Dioxide and extinguishing power.
Fire Fighting: Use a respirator for Fire Fighters. Shut off fuel at source.
Material will float on water.
Flash Point: 150°C, ASTM D92
Upper Flammability Limit: No data
Lower Flammability Limit: No data
Autoignition Temperature: >400°C ASTM E 659-78.
Flammability Class: C2
Unusual Fire and Explosion Hazards None

SECTION 5 – SPILLAGE AND DISPOSAL

Steps to be taken if material is leaked or spilled: Contain and absorb on fire retardant treated sawdust, Diatomaceous earth etc.

Waste Disposal Method: Shovel up and dispose of at an appropriate licensed waste disposal site in accordance with current applicable laws and regulations and product characteristics at the time of disposal.

In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at any licensed waste disposal site.

SECTION 6 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501** Set 2008, Industrial Eye Protection: **AS 1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS 2210**.

SWA Exposure Limits	TWA (mg/m3)	STEL (mg/m3)
Mineral Oil	5 (mist)	not set

SECTION 6 – EXPOSURE CONTROLS AND PERSONAL PROTECTION(CONT.)

Ventilation: Use adequate ventilation. Avoid breathing mist or vapour.

Eye Protection: Normal industrial eye protection practices should be adhered to. Use chemical splash goggles. Do not get into eyes.

Skin Protection: Avoid contact with clothing or prolonged contact with skin. After handling, remove contaminated clothing. Launder before re-use. The use of an emollient after washing after work period is recommended.

Protective Material Types: Wear PVC apron and chemical splash boots where clothing is likely to be contaminated. Use chemical splash

Respirator: Use respiratory equipment in very confined spaces if high ambient temperatures

SECTION 7 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Description & Colour:	Honey Colour
Odour:	Slight odour
Boiling Point:	I.B.P. 160°C
Freezing/Melting Point:	Not applicable
Volatiles:	Negligible
Vapour Pressure:	MM of Hg at 0.015KPA @ 99°C
Vapour Density:	No data
Specific Gravity:	0.879 at 15°C
Water Solubility:	.1% Mass
pH:	No data
Volatility:	No data
Odour Threshold:	No data
Evaporation Rate:	Butylacetate = 1 -
Coeff Oil/Water Distribution:	No data
Viscosity:	Approx. 15.4 mm ² /sec at 100°C
Autoignition Temp.	400°C
Density	0.91 @ 25°C

SECTION 8 – STABILITY AND REACTIVITY

Reactivity: Stable.

Conditions to Avoid: Material is normally stable at ambient temperatures and pressures.

Incompatibilities: Avoid contact with strong oxidizing agents.

Fire Decomposition: .

Polymerisation: Polymerisation reactions are unlikely; they are not expected to occur.

SECTION 9 – STORAGE AND TRANSPORT

STORAGE	
SHELF LIFE:	5 years
STORAGE:	Store only in original or approved containers in cool area. Store away from strong oxidants
TRANSPORT	Keep container closed
	This material has no known hazards as defined by 29 CFR 1910.1200
ADG Code:	This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations

SECTION 16 – OTHER INFORMATION

This MSDS contains only safety related information. For other data see product literature.

Acronyms:	
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC & NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to Emergency Services, especially Firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

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