SAFETY DATA SHEET
ENGINE FLUSH

Version 3.0 | Date of issue/Revision date: 28.02.2022

Section 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Engine Flush
Product Code	703
Product Uses	Suitable as cleaning fluid for automotive engines
Company Name	Lubrimaxx Marketing ABN 18 006 400 380
Address	30 Spencer St, Sunshine West, VIC 3020
Telephone Number	(03) 9300 6900
Fax Number	(03) 9312 3239
Emergency Tel.	Australia- 1300 72 1300 Malaysia- + 603 33592346
Internet Website:	www.lubrimaxx.com

Section 2. HAZARDS IDENTIFICATION

This material is considered to be hazardous according to regulations.

GHS Classification

Aspiration Hazard - Category 1
Skin Corrosion/ Irritation - Category 2

GHS element, including precautionary statements

Symbol:

Signal Word: Danger

Hazard statement:

H304	May be fatal if swallowed and enter airways
H315	Causes skin irritation

Precautionary Statements

Prevention

P280	Wear protective gloves/eye protection/face protection/mask
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash effected area thoroughly after handling
P271	Use only outdoors or in well ventilated area

Response	
P302+P352	IF ON SKIN: Wash with plenty of soap and water
P321	Specific treatment
P332+P313	If skin irritation occurs: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P312	Call a POISON CENTER or doctor/physician if you feel unwell
Storage	
P405	Store locked up
Disposal	
P501	Dispose of contents/container according to local authority

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Name	CAS Number	Proportion (%)
Distillates(Petroleum),Hydrotreated heavy paraffinic	64742-54-7	<50
Kerosene (petroleum)	64742-47-8	<50
Mixture of surfactants	N/A	>1

Section 4. FIRST AID MEASURES

Description of necessary first aid measures

Inhalation: Remove the source of contamination, vapor, dust, spray or fumes or move the victim to fresh air. Obtain medical attention if symptoms occur

Ingestion: Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek urgent medical advice (e.g. doctor).

Skin contact: Wash affected area thoroughly with soap and water. Immediately remove contaminated. If symptoms develop seek medical attention.

Eye contact: Immediately was with copious amounts of water for at least 15 minutes. If symptoms persist seek medical attention.

First Aid Facilities: Eye wash and normal wash room facilities.

Most important symptoms/effects, acute and delayed

Skin contact: Irritating to skin
Eye contact: May cause slight irritation
Inhalation: In case of exposure to intense concentrations of vapours, fumes or spray, transport the person away from contaminated zone, keep warm and allow to rest.
Ingestion: If swallowed accidentally, the product may enter the lungs due to its low viscosity and lead to the rapid development of very serious pulmonary lesions (medical survey during 48 hours) Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Abdominal pain. May cause central nervous system depression

Indication of immediate medical attention and special treatment, if necessary
Advice to Doctor: Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons.

Section 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:
Small fires -Dry chemical, Carbon dioxide, Alcohol-resistant foam
Large fires - Dry chemical, Carbon dioxide, water spray or alcohol-resistant foam
Unsuitable Media:
Avoid using full water jet directed at residual material that may be burning. Water may cause splattering on hot residue. product will float on water.
Specific hazard arising from the chemical: Depending on combustion conditions, a complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot will be evolved. These may be highly dangerous if inhaled in confined spaces or at high concentration.
Special protective actions for fire-fighters: Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Personal protection:
Wear appropriate protective equipment as in section 8 below to prevent skin. Remove of ignition sources and provision of sufficient ventilation.
Emergency Procedures:
In the event of a spill or accidental release, notify the authorities in accordance with all applicable regulations. Personnel involved in clean up required to wear appropriate personal

protective equipment and clothing to minimize exposure.
Environmental precaution: Isolate the spillage and prevent the material to enter drains, sewers, waterways and soil Dispose of waste according to federal, Environmental Protection Authority and state regulations.
Method and materials for containment and cleaning up: Use non-sparking hand tools and explosion proof electrical equipment. Contain spillage, and then collect with non-combustible absorbent material, (e.g sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local regulations.

Section 7. HANDLING AND STORAGE

Precautions for Safe Handling: Wear appropriate protective equipment as in section 8. Use only in well- ventilated areas. Do not breathe vapours or spray mist.
WHILE MOVING THE PRODUCT: To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Do not allow splash loading and ensure that the product is poured slowly. Handle away from any source of ignition (open flame and sparks) and heat (hot manifolds or casings). Do not smoke

Conditions for Safe Storage: This product is a hydrocarbon-based liquid that will burn if preheated. Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Store at room temperature. Keep containers tightly closed and properly labelled. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards: Exposure standards for the product have not been established. However in the operation of certain equipment or at elevated temperature, if oil mists or aerosols are generated the following Exposure Standard should be observed:
TWA: 5mg/m^3
STEL: 10 mg/m^3
Engineering Controls: Use only in well ventilated areas.
Eye Protection: Avoid contact with the eyes. Wear safety glasses or face shield to avoid eye contact or splashing.
Hand Protection: Avoid contact with skin. Impervious Nitrile rubber gloves recommended. Wear suitable protective clothing.
Body Protection: Not normally required. Where splashing is possible suitable work wear should be worn to protect personal clothing.
Respiratory protection: Do not breathe dust, fumes or vapor. Use approved respirator when exposed to concentration above the exposure limit.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear amber liquid
Odour	Sweet
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	No applicable
Flash point	110^0C Typical
Specific Gravity	0.85 at 25^0C
Flammability	Not available
Auto ignition temperature	Not available
Lower explosion limit	Not available
Upper explosion limit	Not available
Flammable limits	Not available
Solubility in water	Insoluble in water
Biodegradability	Not classified as biodegradable

Section 10. STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions of normal use
Chemical Stability: Stable under normal conditions of storage and handling.
Possibility of hazardous reactions: Keep away from strong oxidising agents, such as strong acids, chlorates, nitrates and peroxides. Hazardous polymerisation does not ocur
Conditions to avoid: Heat,open flames or other sources of ignition.
Materials to avoid: Strong oxidizing agents and strong acid
Hazardous decomposition products: Oxides of Carbon and Nitrogen, smoke and other toxic fumes

11. TOXICOLOGICAL INFORMATION

Delayed and immediate effects and also chronic effects from short and long term exposure

Acute toxicity:	Data is not available
Skin corrosion/irritation :	This material has been classified as a Category 2 Hazard (reversible effects to skin)
Serious eye damage/ eye irritation :	Data is not available
Respiratory/Skin sensitization :	Data is not available
Carcinogenicity:	Data is not available

Germ cell mutagenicity :	Data is not available
Reproductive toxicity :	Data is not available
Specific target organ toxicity single exposure :	Data is not available
Specific target organ toxicity repeated exposure :	Data is not available
Aspiration hazard :	This material has been classified as an aspiration hazard - Category 1

Section 12. ECOLOGICAL INFORMATION

TOXICITY
Acute aquatic hazard: this material has been classified as non-hazardous.
Persistence and degradability: Non-biodegradable
Bioaccumulative potential: No data available
Mobility in soil: No data available

Section 13. DISPOSAL CONSIDERATIONS

Disposal method: In accordance with government regulations for the disposal of special waste. Always consider the recycling the product.
Contact local council for correct disposal methods.
Do not mix new and used lubricating oils with solvents, brake fluids or coolant when disposing by suitably licensed contractors in accordance with Government regulations

Section 14. TRANSPORT INFORMATION

Transport information: Not classified as Dangerous Goods according to Australian Code for the Transport of Dangerous Goods by Road, Rail and Sea

IATA: Not regulated
IMDG: Not regulated

U.N Number	N/A
U.N Proper Shipping Name	N/A
Class	N/A
Subsidiary Risk	N/A
Packing Group	N/A
Marine Pollutant	N/A
Hazchem Code	N/A

Section 15. REGULATORY INFORMATION

SUSMP: N/A
AICS: all ingredients are listed

Section 16. OTHER INFORMATION

Abbreviations and acronyms
ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail.
AICS: Australian Inventory of Chemical Substances.
CAS Number: Chemical Abstracts Service Registry Number.
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
HAZCHEM: An emergency action code of numbers and letters which gives information to emergency services.
HSIS: Hazardous Substances Information System
NTP: National Toxicology Program (USA).
PPE: Personal Protective Equipment.
SDS: Safety Data Sheet
SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons
TWA: Time Weighted Average.
UN Number: United Nations Number.

Literature References:

Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (December 2011 – Safe Work Australia)
GHS Hazardous Chemical Information List (September 2014 – Safe Work Australia)
Guidance on the Classification of Hazardous Chemicals under the WHS Regulations. April 2012. Safe Work Australia.
Global Harmonized System of Classification and Labelling of Chemicals (GHS). Fifth revised edition."Australian Exposure Standards"
Model Work Health and Safety Regulations.
Australian Code For The Transport Of Dangerous Goods By Road And Rail – 7th Edition.
Standard for the Uniform Scheduling of Medicines and Poisons 2015.
Material Safety Data Sheets – individual raw materials – Suppliers.
HSIS – Hazardous Substance Information System – National Worksafe Data Base.
LABELLING OF WORKPLACE HAZARDOUS CHEMICALS, Code of Practice, DEC 2011
IMPLEMENTATION OF THE GLOBALLY HARMONISED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS) APRIL 2012

Disclaimer: It is believed that the information given in this bulletin is accurate at the issue

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It is the user's responsibility to verify the current formulation, specification or characteristics of a product, and to ascertain that it is suitable for an intended use or application.

End of SDS