



SAFETY DATA SHEET

HEAT TRANSFER OIL

Version 3.0

Date of Issue: 28.2.2017

Section 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Heat Transfer Oil
Product Code	320
Product Uses	Heat Transfer oil
Company Name	Lubrimaxx Pty Ltd (ABN 2500 685 0415)
Address	30 Spencer St, Sunshine West, VIC 3020
Telephone Number	(03) 9300 6900
Fax Number	(03) 9312 3239
Emergency Tel.	1800 023 005
Internet Website:	www.lubrimaxx.com

Section 2. HAZARDS IDENTIFICATION

Classification of the hazardous chemical:

GHS Classification hazard class and category: Under the model work Health and Safety Regulations, the product would not be classified as hazardous

GHS element, including precautionary statements

Symbol: Not applicable

Signal word: Not applicable

Hazard Statement: Not applicable

Precautionary Statement:

Prevention: Not applicable

Response: Not applicable

Storage: Not applicable

Disposal: Not applicable

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product contains mixture of paraffinics hydrocarbon distillates and performance additives

Ingredients:

Name	CAS Number	Proportion (%)
Distillate, hydrotreated heavy paraffinic	64742-54-7	> 95
Additive	N/A	<5

Note: Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from SWA publication "HAZARDOUS



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CHEMICALS Globally Harmonised System of Classification and Labelling of Chemicals" 5th Revised Edition, but are listed for information purposes and for additive effects.

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 wash 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.

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: Use water spray, dry chemical, foam, or carbon dioxide. Water or foam may cause frothing.

Hazards from Combustion Products: Depending on combustion conditions, a complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, will be evolved when this material undergoes combustion.

Special Protective Equipment: Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) in case of fire.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Non-emergency personnel: Wear appropriate protective equipment as in section 8 below to prevent skin and eye contamination. Remove of ignition sources and provision of sufficient ventilation.

Emergency Procedures: Personnel involved in clean up required to wear appropriate personal protective equipment and clothing to minimize exposure.



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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. If the spillage enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

Method and materials for containment and cleaning up: Minor spills do not normally need any special clean-up measures. In the event of a major spill, prevent spillage from entering drains or water courses. Spilt material may result in a slip hazard and should be absorbed into dry, inert material (e.g. sand, earth or vermiculite), which then can be put into appropriately labelled drums for disposal by an approved agent according to local conditions.

Section 7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with the product by using appropriate protective equipment such as gloves, glasses or goggles and full-length clothing. Prevent small spills and leakage to avoid slip hazards. Properly dispose of any contaminated rags or cleaning materials in order to prevent fire hazards. Eating, drinking, and smoking should be prohibited in the area where this material is handled, stored and processed. Workers should follow good personal hygiene practices, such as washing hands before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Keep containers tightly closed when not in use. Prevent product from entering waterways, drains or sewers.

Conditions for Safe Storage: Store in a cool, dry well-ventilated area away from heat, sources of ignition, oxidising agents, foodstuffs, and clothing and out of direct sunlight.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards: As published in Safe Work Australia (SWA), TWA exposure standard for oil mist is 5 mg/m³. As with all chemicals, exposure should be kept to the lowest possible levels.

Engineering Controls: Special ventilation is not normally required. However, at elevated temperature, or in confined space - mists or vapour may be generated and local exhaust ventilation should be provided to maintain airborne concentration levels.

Eye Protection: Wear safety glasses or face shield to avoid eye contact or splashing.

Hand Protection: Nitrile rubber gloves are recommended

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.



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Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid
Odour	Mild
Odour Threshold	Not available
Specific Gravity	0.87 typical
Viscosity	33cSt @40 ⁰ C Typical ISO
Viscosity	5.5cSt @100 ⁰ C Typical
Boiling Point	Not available
Melting Point	Less than -20 ⁰ C
Flash point	Greater than 215 ⁰ C
pH Value	Not available
Evaporation rate	Not available
Flammability	Combustible liquid
Auto ignition temperature	Not available
Flammable limits	Not available
Vapour pressure	Not available
Vapour density	Not available
Decomposition temperature	Not available
Solubility in water	Not soluble
Partition coefficient	Not available
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: None under normal processing

Conditions to avoid: Heat, direct sunlight, open flames or other sources of ignition.

Materials to avoid: Strong oxidizing agents.

Hazardous decomposition products: Carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Information on the likely routes of exposures .

Inhalation: Avoid breathing vapour, dust, sprays or fumes

Ingestion: Ingestion of this product may irritate the gastric tract causing nausea and vomiting. Ingestion of large quantities may depress the central nervous system.

Skin: May cause irritating to skin. Avoid contact with skin

Eye: May cause irritation to eyes.



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

Acute toxicity:	No data available
Skin corrosion/irritation :	No data available
Serious eye damage/ eye irritation :	No data available
Respiratory/Skin sensitization :	No data available
Carcinogenicity:	No data available
Germ cell mutagenicity :	No data available
Reproductive toxicity :	No data available
Specific target organ toxicity single exposure :	No data available
Specific target organ toxicity repeated exposure :	No data available
Aspiration hazard :	No data available

Section 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

TOXICITY : No data available

PERSISTENCE AND DEGRADABILITY : No data available. Not classified as biodegradable liquid.

BIOACCUMULATION POTENTIAL : This product has the potential to bioaccumulate.

MOBILITY IN SOIL : A component of this product has low solubility, floats and is expected to migrate from water to land.

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

Section 14. TRANSPORT INFORMATION

Not classified as Dangerous Goods by Road, Rail and Sea.

IATA: Not regulated

IMDG: Not regulated

U.N Number

Not Available



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U.N Proper Shipping Name	Not available
Class	Not available
Subsidiary Risk	Not available
Packing Group	Not available
Marine Pollutant	No
Hazchem Code	Not available

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

Section 15. REGULATORY INFORMATION

Poisons Schedule: Not scheduled

ADG Code: Nil

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 Labeling of Chemicals

HAZCHEM: An emergency action code of numbers and letters which gives information to emergency services.

HSIS: Hazardous Substances Information System

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods

NTP: National Toxicology Program (USA).

SDS: Safety Data Sheet

SWA: Safe Work Australia

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”



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Australian Code For The Transport Of Dangerous Goods By Road And Rail – 7th Edition.
Standard for the Uniform Scheduling of Medicines and Poisons 2015.
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 date. It is offered in good faith, but without guarantee and without acceptance of responsibility for its accuracy.

Lubrimaxx pursues a policy of ongoing research and development aimed at product improvement and therefore may change the formulation, specification and characteristics of its products without notice.

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****