



# 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. Australia - 1 300 72300  
Malaysia - + 603 55112346  
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



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exceed the relevant cut-off concentrations as found from SWA publication "HAZARDOUS 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



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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. 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/m<sup>3</sup>. 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 <sup>0</sup> C Typical ISO
Viscosity	5.5cSt @100 <sup>0</sup> C Typical
Boiling Point	Not available
Melting Point	Less than -20 <sup>0</sup> C
Flash point	Greater than 215 <sup>0</sup> 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



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**Eye:** May cause irritation to eyes.

### **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



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IMDG: Not regulated

U.N Number

Not Available

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



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revised edition.

“Australian Exposure Standards”

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.

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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\*\***