

## MATERIAL SAFETY DATA SHEET

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

Product Name	PREMALUBE RED
Manufacturer's Product Code	4566
Other Names	Multi-purpose heavy-load extreme pressure, high temperature lubricant.
Major Recommended Uses	As a multi-purpose heavy-load extreme pressure, high temperature lubricant.
Supplier's Details	Mantek 7 Ralph Street, Alexandria Sydney NSW 2015 Telephone Number (Office Hours): (02) 9669 0261 Fax Number: (02) 9693 1562 Emergency Telephone Number: (02) 9214 0755
Date of Issue	October 2006

### SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification	Not classified as hazardous according to the criteria of NOHSC.
Dangerous Goods Class & Sub-risk	None allocated.
Poisons Schedule	SCHEDULE 5
Safety Phrases	Avoid exposure. In case of accidents or if you feel unwell, seek medical advice, showing the label whenever possible.

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients			
Chemical Entity	CAS No	Proportion	Synonyms
Hydrotreated petroleum distillate	64742-52-5	>60%	Napththenic distillate
(In accordance with Note L of the NOHSC Designated List of Hazardous Substances, the listed ingredient has been tested in accordance with IP346. It contains less than 3% polyaromatics and is therefore non hazardous.)			
'Ingredients determined not to be hazardous'		to 100%	

### SECTION 4 – FIRST AID MEASURES

Skin	Wash affected areas with soap and running water. Seek medical attention if irritation develops. Wipe away material with a cloth while removing contaminated clothing and shoes for cleaning.
Eye	Immediately rinse eyes with water. Hold eyelids apart and flush the eye continuously with running water. Continue flushing for at least 15-minutes. Get medical attention if irritation develops.
Inhalation	Not normally a hazard. Remove to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.
Ingestion	If swallowed do not induce vomiting. Give water and call a doctor. If vomiting occurs, give fluids again. Seek medical attention if discomfort occurs.
First Aid Facilities	General eye wash station and safety shower.
Advice to Doctor	There is no specific antidote. Treat the patient symptomatically.
Additional Information	Medical conditions aggravated by exposure are pre-existing respiratory and skin conditions such as asthma, emphysema and dermatitis. Target Organs: None known. There is no primary route of entry into the body. The primary routes of exposure are skin and eye contact.

### SECTION 5 – FIRE FIGHTING MEASURES

PREMALUBE RED is not classified as flammable.	
Suitable Extinguishing Media	In the event of a fire, foam, water spray, dry chemical and CO <sub>2</sub> are the recommended extinguishing agents.
Special Protective Equipment and Precautions for Fire Fighters	Fire fighters should wear self-contained breathing apparatus and full protective gear. Cool fire-exposed containers with water spray to prevent bursting.
Fire/Explosive Hazards	The use of water spray (fog) while effective, may cause frothing and foaming. Never use a water jet as this will just spread the fire. Use care as spills may be slippery.
Hazchem Code	None allocated.

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### SECTION 6 – ACCIDENTAL RELEASE MEASURES

Methods and Materials for Containment and Clean Up	Wear appropriate protective clothing and use care as spills may be slippery. For large spills, scoop into a properly labelled container for disposal. For small spills, wipe with a cloth and transfer all materials into a properly labelled container for disposal. Dispose of waste in a closed, labelled container in accordance with local, state and Commonwealth laws. Prevent entry into waterways. Avoid contact with eyes and skin.
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### SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling	Observe precautions stated on product label, and follow industry safety regulations. Smoking, eating and drinking should be prohibited in work areas where hydrocarbons are present. Always wash hands before eating after contact with product. Keep away from open flames, hot surfaces and sources of ignition.
Conditions for Safe Storage	Store in a cool, dry, well-ventilated area away from heat sources. Store in the closed original container. Store at temperatures between -18°C and 49°C.

### SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards	Not established for mixture. The NOHSC recommend TWA 5mg/m <sup>3</sup> for oil mist.
Engineering Controls	General ventilation is normally adequate. Local ventilation is strongly recommended if vapour exposure exceeds Exposure Standards.
Personal Protective Equipment	
Eye/Face Protection	Avoid contact with eyes - safety glasses with side shields should be worn if eye contact is likely.
Skin Protection	Neoprene or nitrile rubber gloves should be worn along with protective clothing when handling this product – particularly if repeated or prolonged skin contact is likely. Wear general-duty work clothes and shoes.
Respiratory Protection	None is required under normal conditions of use. In cases where exposure to mists or spray is likely, or in the absence of adequate ventilation, a respirator with organic vapour filter cartridge or combined particle and organic vapour filter (Type A2/P2) is recommended.

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	A red, opaque, viscous grease with petroleum odour.
pH	Not applicable.
Vapour Pressure	0.01 mm Hg
Vapour Density (Air = 1)	4.2
Boiling Point	>232°C
Solubility in Water (g/L)	Negligible
Specific Gravity (Water = 1)	0.89
Flashpoint	260°C
Flashpoint Method	T.C.C.
Evaporation rate (BU A/C = 1)	0
Volatility by volume	0%

### SECTION 10 – STABILITY AND REACTIVITY

Stability	Stable.
Hazardous Polymerisation	Will not occur.
Conditions/Materials to Avoid	Avoid heat, hot surfaces, sparks, and open flames. Avoid strong oxidising agents such as chlorine bleach and concentrated hydrogen peroxide and reducing agents such as sodium thiosulphate.
Hazardous Decomposition Products	Oxides of carbon, nitrogen, sulphur, antimony, and aluminium; hydrogen sulphide, carbon disulphide, aldehydes, amines, ketones, smoke, and unburned hydrocarbons.

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### SECTION 11 – TOXICOLOGICAL INFORMATION

Health Effects:	
Acute - Swallowed	May cause irritation with possible nausea, vomiting and diarrhoea.
Acute - Eye	May cause irritation seen as stinging, tearing, and redness.
Acute - Skin	May cause irritation seen as itching and redness. Prolonged or repeated contact as from clothing wet with material may cause drying, defatting, and cracking of the skin
Acute - Inhaled	Not a hazard with normal use. Mist may cause respiratory irritation seen as coughing and sneezing.
Chronic	Prolonged or repeated contact may cause drying and chapping of the skin. On rare occasions prolonged and repeated exposure to hydrocarbon mist poses a risk of chronic lung inflammation.
Target Organs	None known. There is no primary route of entry into the body. The primary routes of exposure are skin and eye contact.
Product Contains Chemicals Listed as Carcinogens by	International Agency for the Research of Cancer (IARC): NO Other: NO

### SECTION 12 – ECOLOGICAL INFORMATION

No specific toxicology data on this product is available. When used as indicated, no adverse environmental effects are foreseen.	
Persistence/Degradability	Not readily biodegradable; slowly biodegradable in aerobic conditions.
Mobility	Non-volatile. Insoluble in water.

### SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of in a closed, labelled container in accordance with local, state and Commonwealth laws.

### SECTION 14 – TRANSPORT INFORMATION

UN Number	None allocated.
UN Proper Shipping Name	
Transport Hazard Class	Non allocated.
Packaging Group	None allocated.
Hazchem Code	None allocated.

### SECTION 15 - REGULATORY INFORMATION

Poisons Schedule	SCHEDULE 5
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### SECTION 16 – OTHER INFORMATION

Initial 16-header MSDS.

Since the user's working conditions are not known by the supplier, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The product must not be used for any purposes other than those specified in Section 1 without first obtaining written handling instructions. MANTEK assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such non-recommended use, storage or disposal of the product.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties.

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