

1. IDENTIFICATION

Product Name	Lubex MasterCool RP/GP
Other Names	No Data Available
Uses	Engine Coolant
Chemical Family	No Data Available
Chemical Formula	No Data Available
Chemical Name	No Data Available
Product Description	Red/Green premix coolant (antifreeze/anti boil)

Contact Details of the Supplier of this Safety Data Sheet

Organisation

Lubricon Industrial Oils & Lubricants

42 Horne St
Hoppers Crossing 3029
Victoria
Australia

Phone: 1800 645 764

Fax: 03 9281 6281

Email: enquiry@lubricon.com.au

Emergency Contact Details

For emergencies only; DO NOT contact these companies for general product advice.

Organisation	Telephone
Poisons Information Centre	131126
Chemcall	1800-127406 (+64-4-9179888)

2. HAZARD IDENTIFICATION

Poisons Schedule (Aust)

Not scheduled

Globally Harmonised System

Hazard Classification Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Hazard Categories

Acute Toxicity – Oral: Category 4
STOT Repeated Exposure: Category 2

Pictograms



Signal Word

Warning

Hazard Statements H412 Harmful if swallowed. May cause damage to organs through prolonged or repeated exposure

Precautionary Statements

Prevention P273 Avoid release to the environment.
Disposal P501 Dispose of contents/container in accordance with Local / regional / national /international regulations.

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification

NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Monethylene Glycol		107-21-1	30-60%
Ingredients determined to be non-hazardous			To 100%

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed	Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.
Eye	Wash out eye with plenty of water for at least 15 minutes. Obtain medical attention if soreness or redness persists
Skin	Wash skin with soap and water. If grease has been injected under the skin, seek Medical advice immediately.
Inhaled	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.
Advice to Doctor	Treat symptomatically.
Medical Conditions Aggravated by Exposure	No Data Available

5. FIRE FIGHTING MEASURES

General Measures	Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.
Flammability Conditions	The product is not flammable.
Extinguishing Media	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire. Do not use water jet as an extinguisher, as this will spread the fire.
Fire and Explosion Hazard	Combustible solid > 250 Deg C.
Hazardous Products of Combustion	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.
Special Fire Fighting Instructions	Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.

Personal Protective Equipment Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves).

Flash Point	No Data Available
Lower Explosion Limit	No Data Available
Upper Explosion Limit	No Data Available
Auto Ignition Temperature	No Data Available
Hazchem Code	No Data Available

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure Avoid accidents, clean up immediately. May be slippery when spilt. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Stop leak if safe to do so. Isolate the danger area. Use clean, non-sparking tools and equipment.

Clean Up Procedures Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains.

Containment Stop leak if safe to do so. Isolate the danger area.

Environmental Precautionary Measures Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management

Evacuation Criteria Evacuate all unnecessary personnel.

Personal Precautionary Measures Personnel involved in the clean-up should wear full protective clothing as listed in section 8.

7. HANDLING AND STORAGE

Handling	Avoid direct contact with the substance. Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin and clothing. Do not inhale product dust/fumes.
Storage	Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Protect from direct sunlight, moisture and static discharges. This product is not classified dangerous for transport according to The Australian Code for the Transport of Dangerous Goods By Road and Rail
Container	Store in original packaging as approved by manufacturer.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits	No Data Available
Biological Limits	No information available on biological limit values for this product.
Engineering Measures	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Adequate ventilation should be provided so that exposure limits are not exceeded.
Personal Protection Equipment	RESPIRATOR: Wear a P1 or P2 particulate respirator when handling this product (AS1715/1716). EYES: Safety glasses with side shields (AS1336/1337). HANDS: Neoprene gloves (AS2161). CLOTHING: Long-sleeved protective coveralls and safety footwear (AS3765/2210).
Work Hygienic Practices	No Data Available

9. PHYSICAL AND CHEMICAL PROPOERTIES

Physical State	Liquid
Appearance	Liquid
Odour	Almost odourless
Colour	Red/Green
pH	8.5-9.8
Vapour Pressure	No Data Available
Relative Vapour Density	No Data Available
Boiling Point	>100c
Melting Point	No Data Available
Freezing Point	No Data Available
Solubility	Miscible
Specific Gravity	No Data Available
Flash Point	No Data Available
Auto Ignition Temp	No Data Available
Evaporation Rate	No Data Available
Bulk Density	No Data Available
Corrosion Rate	No Data Available
Decomposition Temperature	No Data Available
Density	No Data Available
Specific Heat	No Data Available
Molecular Weight	No Data Available
Net Propellant Weight	No Data Available
Octanol Water Coefficient	No Data Available
Particle Size	No Data Available
Partition Coefficient	No Data Available
Saturated Vapour Concentration	No Data Available
Vapour Temperature	No Data Available
Viscosity	No Data Available
Volatile Percent	No Data Available
VOC Volume	No Data Available
Additional Characteristics	No Data Available
Potential for Dust Explosion	No Data Available
Fast or Intensely Burning Characteristics	No Data Available
Flame Propagation or Burning Rate of Solid Materials	No Data Available
Non-Flammables That Could Contribute Unusual Hazards to a Fire Properties That May Initiate or Contribute to Fire Intensity	No Data Available

Reactions That Release Gases or Vapours	No Data Available
Release of Invisible Flammable Vapours and Gases	No Data Available

10. STABILITY AND REACTIVITY

General Information	There are no known reactivity hazards associated with this product.
Chemical Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
Conditions to Avoid	There are no known conditions that are likely to result in a hazardous situation.
Materials to Avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Hazardous Decomposition	Products Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.
Hazardous Polymerisation	Has not been reported.

11. TOXICOLOGICAL INFORMATION

General Information	Acute toxicity - oral, ATE oral (mg/kg) 3,900.15600624
	Carcinogenicity Based on available data the classification criteria are not met.
Eye Irritant	May be slightly irritating to eyes.
Skin Irritant	Prolonged contact may cause irritation.
Inhalation	May cause respiratory tract irritation
Ingestion	Swallowing can result in Nausea, Vomiting, Diarrhoea and abdominal pain
Carcinogen Category	No Data Available

12. ECOLOGICAL INFORMATION

Ecotoxicity	Not considered hazardous for the environment.
Persistence/Degradability	The degradability of the product is not known.
Mobility	Non-volatile.
Environmental Fate	Do NOT let product reach waterways, drains and sewers.
Bioaccumulation Potential	No data available on bioaccumulation.
Environmental Impact	No Data Available

13. DISPOSAL CONSIDERATIONS

General Information	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.
Special Precautions for Land Fill	Contact a specialist disposal company or the local waste regulator for advice. Incinerate at an approved site following all local regulations. This material may be suitable for approved landfill

14. TRANSPORT INFORMATION

Land Transport (Australia)

ADG

Proper Shipping Name	Lubex MasterCool RP/GP
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available

Sea Transport

IMDG

Proper Shipping Name	Lubex MasterCool RP/GP
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
EMS	No Data Available
Marine Pollutant	No

Air Transport

IATA

Proper Shipping Name	Lubex MasterCool RP/GP
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification	NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)
---------------------------------------	---

15. REGULATORY INFORMATION

No Data Available

General Information

Poisons Schedule (Aust)	Not scheduled
-------------------------	---------------

National/Regional Inventories

Australia (AICS)	Listed
Canada (DSL)	Not Determined
Canada (NDSL)	Not Determined
China (IECSC)	Not Determined
Europe (EINECS)	Not Determined
Europe (REACH)	Not Determined
Japan (ENCS/METI)	Not Determined
Korea (KECI)	Not Determined
Malaysia (EHS Register)	Not Determined
New Zealand (NZIoC)	Not Determined
Philippines (PICCS)	Not Determined
Switzerland (Giftliste 1)	Not Determined
Switzerland (Inventory of Notified Substances)	Not Determined
Taiwan (NCSR)	Not Determined
USA (TSCA)	Not Determined

16. OTHER INFORMATION

Related Product Codes	LX50R LX50G
Revision	2
Revision Date	19 May 2016
Reason for Issue	New SDS

Key/Legend	< Less Than
	> Greater Than
	AICS Australian Inventory of Chemical Substances
	atm Atmosphere
	CAS Chemical Abstracts Service (Registry Number)
	cm² Square Centimetres
	CO₂ Carbon Dioxide
	COD Chemical Oxygen Demand

Key/Legend (Continued)

Deg C (°C) Degrees Celcius
EPA (New Zealand) Environmental Protection Authority of NZ
Deg F (°F) Degrees Farenheit
g Grams
g/cm³ Grams per Cubic Centimetre
g/l Grams per Litre
HSNO Hazardous Substance and New Organism
IDLH Immediately Dangerous to Life and Health
immiscible Liquids are insoluable in each other.
inHg Inch of Mercury
inH₂O Inch of Water
K Kelvin
kg Kilogram
kg/m³ Kilograms per Cubic Metre
lb Pound
LC₅₀ LC stands for lethal concentration. LC₅₀ is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
LD₅₀ LD stands for Lethal Dose. LD₅₀ is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
ltr or L Litre
m³ Cubic Metre **mbar** Millibar **mg** Milligram
mg/24H Milligrams per 24 Hours **mg/kg** Milligrams per Kilogram
mg/m³ Milligrams per Cubic Metre
Misc or Miscible Liquids form one homogeneous liquid phase regardless of the amount of either component present.
mm Millimetre
mmH₂O Millimetres of Water
mPa.s Millipascals per Second
N/A Not Applicable
NIOSH National Institute for Occupational Safety and Health
NOHSC National Occupational Heath and Safety Commission
OECD Organisation for Economic Co-operation and Development
Oz Ounce
PEL Permissible Exposure Limit
Pa Pascal
ppb Parts per Billion
ppm Parts per Million
ppm/2h Parts per Million per 2 Hours
ppm/6h Parts per Million per 6 Hours

Key/Legend (Continued)

psi Pounds per Square Inch
R Rankine
RCP Reciprocal Calculation Procedure
STEL Short Term Exposure Limit
TLV Threshold Limit Value
tne Tonne
TWA Time Weighted Average
ug/24H Micrograms per 24 Hours
UN United Nations
wt Weight

----END OF SDS----