



SAFETY DATA SHEET

Section 1: MATERIAL & SUPPLIER IDENTIFICATION

Product: LONGLIFE COOLANT
Description: ANTIFREEZE ANTIBOIL LONGLIFE
Code: 6036
Use: ENGINE COOLING SYSTEMS

SUPPLIER: TRITECH LUBRICANTS & SALES
13-15 LEAH GROVE
CARRUM DOWNS
VICTORIA 3201
AUSTRALIA

EMERGENCY RESPONSE CONTACT: 1800 023 005

Section 2: HAZARDS IDENTIFICATION

CLASSIFICATION:

GHS CLASSIFICATION

This product is a mixture and is not classified as a Hazardous substance or mixture according to the criteria of Worksafe Australia. Classified as Hazardous according to the HSNO Act, New Zealand, 6.4A (eye irritant)

HSNO CLASSIFICATION

Lubricants, Lubricant Additives, Coolants and Anti-Freeze Agents
(Subsidiary Hazard) Group Standard 2006)
HSNO Approval Number: HSR002606

GHS LABEL ELEMENTS

Not a Hazardous substance or mixture.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

<u>SUBSTANCE/ MIXTURE</u>	<u>MIXTURE</u>	
<u>CHEMICAL ENTITY</u>	<u>CAS #</u>	<u>PROPORTION</u>
ETHYLENE GLYCOL	107-21-1	<90%
OTHER INGREDIENTS	not available	>10%

Section 4:

FIRST AID MEASURES

SKIN CONTACT: Wash affected areas with soap and water. If irritation occurs, seek medical attention.

EYE CONTACT: Flush thoroughly with water for at least 15 minutes. If irritation occurs, seek medical attention immediately.

INGESTION: First aid is normally not required. DO NOT induce vomiting. Rinse mouth out with water and seek medical advice should symptoms develop.

INHALATION: Remove from further exposure to fresh air. Obtain medical attention if symptoms appear.

SPECIFIC TREATMENT: Ethylene glycol (EG) and Diethylene glycol (DEG) intoxication may initially produce behavioural changes, drowsiness, vomiting, diarrhoea, thirst and convulsions. EG and DEG are nephrotoxic. End stages of poisoning may include renal damage or failure with acidosis. The mean lethal dose is 100mL or about 1 mL/kg for adults. For EG poisoning intravenous ethanol is a recognized antidotal treatment.

Section 5:

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Appropriate for Use: Carbon Dioxide (CO₂), Water Fog, Foam, Dry Chemical.

Inappropriate for Use: Water Jet or Straight streams of water due to splatter hazard.

Firefighting: Evacuate Area. Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Specific Hazards: None

Hazards from Combustion Products: Combustion may produce oxides of carbon.

Section 6:

ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION: For cleaning up small spills, wear appropriate Personal Protective equipment. During a small spill a respirator is not required. However, if mists or vapours are generated, an approved organic vapour/particulate respirator is required. For large spills, or in confined spaces, a full chemically resistant body-suit is recommended and the atmosphere must be evaluated for oxygen deficiency. If in doubt about oxygen deficiency wear self-contained breathing apparatus.

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Section 6:	ACCIDENTAL RELEASE MEASURES (CONT)
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CONTROL MEASURES: Ventilate area and extinguish and/or remove all sources of ignition. Stop the leak if safe to do so. Caution: The spilled product will be slippery. Avoid contact with the spilled material.

SPILL ADVICE: Do not allow product to enter drains, surface water, sewers or watercourses inform local authorities if this occurs.

CONTAINMENT: Contain the spill and absorb with a proprietary absorbent material, sand or earth. For large spills prepare a bund/barrier/dyke ahead of the spill to confine the spill and allow later recovery.

Section 7:	HANDLING AND STORAGE
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HANDLING: Avoid contact with the product by using appropriate PPE such as gloves, glasses or footwear. 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. Empty containers must be disposed of via appropriate disposal methods or mediums. Due to explosive vapours possibly forming in empty containers, **Do Not** pressurize or heat, cut, grind, weld or drill either empty containers or around empty containers.

STORAGE: Store in a well ventilated area away from direct sunlight and ignition sources, oxidising agents, foodstuffs and clothing. Keep containers closed when not in use to avoid contamination. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Refer to the Australian Standard "AS1940 – The Storage and Handling of Flammable and Combustible Liquids" for further information.

Section 8:	EXPOSURE CONTROLS/ PERSONAL PROTECTION
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EXPOSURE LIMITS:

No exposure standards have been established for this product, however, as with all chemicals, exposure should be kept to a minimum as per the Worksafe Standard.

Worksafe Exposure Standard			
Time Weighted Average (TWA)	60 mg/m ³	Ethylene Glycol	
Short Term Exposure Limit (STEL)	120 ppm/m ³	Ethylene Glycol	



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Section 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION (CONT)

Biological Limit Values: No Biological limit allocated.

Engineering Controls: Avoid breathing vapours or mists, however, in the operation of certain equipment or at elevated temperatures mists or vapour may be generated and local exhaust ventilation should be provided to maintain airborne concentration levels below the nominated exposure standard.

Respiratory protection: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate.

Hand protection: Wear protective gloves if prolonged or repeated contact is likely. Glove suitability and breakthrough time will differ depending on the specific use and conditions. Nitrile rubber gloves are recommended.

Eye Protection: Safety glasses with side shields.

Skin and body: Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated.
Appropriate enclosed footwear also to be worn.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Red Liquid
Odour:	Mild
Boiling Point :	>150°C
pH:	7.5- 9.0 (50% solution)
Pour Point:	Not applicable
Viscosity @ 40 °C,	Not applicable
Viscosity @ 100 °C	Not applicable
Vapour Pressure:	Not applicable
Specific Gravity:	1.10
Flash Point:	>110 °C
Flammability:	Not applicable
Solubility in water (g/L):	Miscible with water

Section 10:**STABILITY AND REACTIVITY**

Stability: Product is Stable under recommended storage conditions.

Conditions to Avoid: Excessive heat, Fire, Direct Sunlight or other sources of ignition.

Incompatible Materials: Strong oxidising agents

Hazardous Decomposition Products: Product does not decompose at ambient temperatures.

Hazardous Reactions: Will not occur

Section 11:**TOXICOLOGICAL INFORMATION**

Toxicology Information: Harmful if swallowed. Ethylene glycol: Ingestion of ethylene glycol can cause metabolic acidosis, kidney damage, central nervous system depression, and convulsions. The estimated human lethal dose is approximately 100 ml (3.4 ounces) for an adult).

Inhalation: Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

Ingestion: Harmful if swallowed. Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

Skin: May cause redness, itching and irritation.

Eye: May cause eye irritation, tearing, stinging, blurred vision, and redness.

Chronic Effects: Repeated or prolonged skin contact may lead to dermatitis effects.

General: This product contains components that could potentially cause skin irritation, however the amounts are below the GHS/WHS cut off levels.

Section 12:**ECOLOGICAL INFORMATION**

Ecotoxicity: No data available. However some of the components have been rated as toxic to aquatic life with long lasting effects and may cause long lasting harmful effects to aquatic life.

Persistence and degradability: This product is not expected to be readily biodegradable.



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Section 12: ECOLOGICAL INFORMATION (CONT)

Mobility: No data available, based on similar products it is expected that it will adsorb onto soil products and will not be mobile. Leaching into the water tables is a possibility.

Bioaccumulative potential: No data is available for this product.

Other Adverse Effects: This product is miscible in water and may cause harm to aquatic life. Do not allow material to enter drains or watercourses.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Considerations: Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Dispose of waste according to federal, EPA and state regulations.

Section 14: TRANSPORT INFORMATION

Transport Information: Not classified as a Dangerous Good according to the Australian Code for the transport of Dangerous Goods by Road or Rail.

Section 15: REGULATORY INFORMATION

Standard Uniform Schedule of Medicine and Poisons:

Poisons Schedule 5 (Ethylene Glycol with denatonium benzoate)

International lists:

National inventory:

REACH Status For the REACH status of this product please consult your company contact, as identified in Section 1

Canada inventory	At least one component is not listed.
Australia inventory (AICS)	All components are listed or exempted.
China inventory (IECSC)	All components are listed or exempted.
Japan inventory (ENCS)	At least one component is not listed.
Korea inventory (KECI)	All components are listed or exempted.
Philippines inventory (PICCS)	At least one component is not listed..
Taiwan inventory (CSNN)	At least one component is not listed..
United States inventory (TSCA 8b)	All components are listed or exempted.



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Section 16:

OTHER INFORMATION

HISTORY:

Date of Issue: 16/01/2017

Date of previous issue: 14/11/2016

Prepared by: Technical and Quality Manager

General Disclaimer:

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from TriTech Lubricants and Sales Pty Ltd. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations.

TriTech Lubricants and Sales Pty Ltd shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet.

Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken. You can contact TriTech Lubricants and Sales Pty Ltd to ensure that this document is the most current available.

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