



# SAFETY DATA SHEET

Gulf Antifreeze XLL

06120

Issuing Date 03-26-2017

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Version 1

## SECTION 1: IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

### Product identifier

Product Name **Gulf Antifreeze XLL**  
Product Code(s) 06120

### Other means of identification

UN Number Not Applicable

### Recommended use of the chemical and restrictions on use

Recommended Use Antifreeze / Coolant

Uses advised against Any other purpose.

### Suppliers name, address and phone number

Gulf Oil Supply Company Limited  
B2 Industry Street, Qormi, QRM 3000, Malta  
+44 207 321 6219  
products@gulfoilltd.com sds@gulfoilltd.com

### Emergency telephone number

Europe (+) 44 808 189 0979 Code 334276  
(+) 1 760 476 3961 Code 334276  
(+) 32 (0) 3241 33 55

Poison Information Center (AU) 13 11 26, (NZ) 0800 764 766  
telephone number

## SECTION 2: HAZARDS IDENTIFICATION

### GHS Classification

Acute toxicity - Oral	Category 4 - (H302)
Specific target organ toxicity (repeated exposure)	Category 2 - (H373)

### Label elements

Contains Ethane-1,2-diol

Exclamation mark  
Health hazards



**Signal word**  
Warning

**Hazard statements**

H302 - Harmful if swallowed

H373 - May cause damage to organs through prolonged or repeated exposure

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Do not breathe dust/fume/gas/mist/vapors/spray

**Precautionary Statements - Response**

Get medical advice/attention if you feel unwell

**Ingestion**

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other hazards**

Not applicable

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture. Health hazard information is based on its ingredients

Chemical name	CAS No	Weight-%
Ethane-1,2-diol	107-21-1	60% - 100%

**Additional information**

The remaining composition is a mixture of non-classified ingredients or additives below the threshold for disclosure

### SECTION 4: FIRST AID MEASURES

**Description of first-aid measures**

**General advice**

Do not get in eyes, on skin, or on clothing. When symptoms persist or in all cases of doubt seek medical advice. Do not breathe dust/fume/gas/mist/vapors/spray.

**Inhalation**

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.

**Skin contact**

Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.

**Eye contact**

Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing.

**Ingestion**

Immediate medical attention is required. Do not induce vomiting without medical advice. Clean mouth with water and afterwards drink plenty of water. Call a physician or Poison

Control Center immediately.

**Protection of First-aiders**

Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**Most important symptoms and effects, both acute and delayed****Main Symptoms**

Gastrointestinal discomfort

**Indication of immediate medical attention and special treatment needed****Notes to physician**

Treat symptomatically.

**SECTION 5: FIRE FIGHTING MEASURES****Extinguishing media****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment:, Use CO2, dry chemical, or foam, Water spray or fog

**Extinguishing media which shall not be used for safety reasons**

None

**Specific hazards arising from the chemical**

Thermal decomposition can lead to release of irritating gases and vapors.

**Hazardous decomposition products**

None under normal use

**Advice for firefighters****Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

**SECTION 6: ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Keep people away from and upwind of spill/leak.

**Advice for non-emergency personnel**

Keep people away from and upwind of spill/leak. Material can create slippery conditions.

**Advice for emergency responders** For personal protection see section 8.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

**Methods and materials for containment and cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Dike to collect large liquid spills.

**Reference to other sections**

See Section 8/12/13 for additional information

## SECTION 7: HANDLING AND STORAGE

### Precautions for safe handling

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use.

### Conditions for safe storage, including any incompatibilities

#### **Technical measures/Storage conditions**

Keep container tightly closed in a dry and well-ventilated place.

#### **Incompatible materials**

Strong reducing agents, Oxidizing agent, Acids, Bases

#### **Recommended Use**

Antifreeze / Coolant

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### **Exposure Limits**

Chemical name	Australia	New Zealand	New Zealand - Biological Exposure Indices (BEI)
Ethane-1,2-diol	TWA: 10 mg/m <sup>3</sup> particulate TWA: 20 ppm vapour TWA: 52 mg/m <sup>3</sup> vapour STEL: 40 ppm vapour STEL: 104 mg/m <sup>3</sup> vapour (s)	Ceiling: 50 ppm mist and vapour Ceiling: 127 mg/m <sup>3</sup> mist and vapour	

*Australia - Workplace Exposure Standards for Airborne Contaminants. New Zealand - Workplace Exposure Standards and Biological Exposure Indices.*

### Appropriate engineering controls

#### **Engineering controls**

Ensure adequate ventilation, especially in confined areas.

### Individual protection measures, such as personal protective equipment

#### **Eye/face protection**

Tightly fitting safety goggles.

#### **Skin and body protection**

Long sleeved clothing.

#### **Hand Protection**

Protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

#### **Respiratory protection**

No special protective equipment required. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

#### **Hygiene measures**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Regular cleaning of equipment, work area and clothing is recommended. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

#### **Environmental Exposure Controls**

No special environmental precautions required.

Thermal hazards None under normal use conditions

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	liquid	<b>Appearance</b>	clear
<b>Odor</b>	Characteristic	<b>Odor threshold</b>	Not Determined
<u>Property</u>	<u>Values</u>		<u>Remarks</u>
<b>pH</b>	7.1		
<b>Melting point / freezing point</b>	-13 °C / 8.6 °F		
<b>Boiling point / boiling range</b>	192 °C / 378 °F		
<b>Flash point</b>	111 °C / 232 °F		
<b>Evaporation rate</b>	0.01		. (BuAc = 1)
<b>Flammability (solid, gas)</b>	Not Determined		
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit:</b>	15.3%		
<b>Lower flammability limit:</b>	3.2%		
<b>Vapor pressure</b>	7		Pa @ 20°C
<b>Vapor density</b>	Not Determined		
<b>Relative density</b>	1.161		@20°C
<b>Solubility(ies)</b>	Soluble in water		
<b>Partition coefficient</b>	Not Determined		
<b>Autoignition temperature</b>	432 °C / 810 °F		
<b>Decomposition temperature</b>	Not Determined		
<b>Kinematic viscosity</b>	860 cSt @ 20 °C		
<b>Explosive properties</b>	Not applicable		
<b>Oxidizing Properties</b>	Not applicable		
<u>Other Information</u>			
<b>Viscosity, kinematic (100°C)</b>	Not Determined		
<b>Pour Point</b>	Not Determined		
<b>VOC Content (ASTM E-1868-10)</b>	Not Determined		
<b>VOC content</b>	Not Determined		

## SECTION 10: STABILITY AND REACTIVITY

### Reactivity

None under normal use conditions

### Chemical stability

Stable under normal conditions

### Possibility of hazardous reactions

None under normal use conditions

### Conditions to avoid

Extremes of temperature and direct sunlight, Temperatures above 50°C

### Incompatible materials

Strong reducing agents, Oxidizing agent, Acids, Bases

**Hazardous decomposition products**

None under normal use conditions

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Information on the likely routes of exposure**

**Product Information - Principle Routes of Exposure**

<b>Inhalation</b>	None known
<b>Eye contact</b>	None known
<b>Skin contact</b>	None known
<b>Ingestion</b>	Harmful if swallowed; Ingestion constitutes the main danger because of the toxicity of ethylene glycol; May cause adverse liver effects; May cause adverse kidney effects

**Numerical measures of toxicity - Product Information**

<b>ATEmix (oral)</b>	532.00 mg/kg
<b>ATEmix (dermal)</b>	>2000 mg/kg

**Acute toxicity - Product Information**

Harmful if swallowed.

**Acute toxicity - Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethane-1,2-diol	4000 mg/kg ( Rat )	= 9530 µL/kg ( Rabbit )	

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.
<b>Serious eye damage/eye irritation</b>	Based on available data, the classification criteria are not met.
<b>Sensitization</b>	
<b>Respiratory Sensitization</b>	Based on available data, the classification criteria are not met.
<b>Skin sensitization</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ systemic toxicity (single exposure)</b>	Based on available data, the classification criteria are not met
<b>Specific target organ systemic toxicity (repeated exposure)</b>	Causes damage to organs through prolonged or repeated exposure

<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.
<b>Exposure levels</b>	See section 8 for more information
<b>Interactive effects</b>	None known

## SECTION 12: ECOLOGICAL INFORMATION

### **Toxicity**

No special environmental measures are necessary

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ethane-1,2-diol	6500 - 13000: 96 h Pseudokirchneriella subcapitata mg/L EC50	41000: 96 h Oncorhynchus mykiss mg/L LC50 14-18: 96 h Oncorhynchus mykiss ml/L LC50 static 27540: 96 h Lepomis macrochirus mg/L LC50 static 40761: 96 h Oncorhynchus mykiss mg/L LC50 static 40000-60000: 96 h Pimephales promelas mg/L LC50 static 16000: 96 h Poecilia reticulata mg/L LC50 static		46300: 48 h Daphnia magna mg/L EC50

### **Persistence and degradability**

Readily biodegradable.

### **Bioaccumulative potential**

Chemical name	Partition coefficient
Ethane-1,2-diol	-1.93

### **Mobility**

Miscible with water

### **Other adverse effects**

None known

## SECTION 13: DISPOSAL CONSIDERATIONS

### **Safe handling and disposal methods**

Dispose of in accordance with local regulations

### **Disposal of any contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Observe all label precautions until container is cleaned, reconditioned or destroyed.

### **Environmental regulations**

No information available

## SECTION 14: TRANSPORT INFORMATION

**ADG** Not regulated

**IMDG** Not regulated

**IATA** Not regulated

## SECTION 15: REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulations

##### Australia

Model Work Health and Safety Regulations (2016).  
Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (2011).

##### **Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)**

Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

**Poison Schedule Number** 6

##### New Zealand

Hazardous Substances Regulation 2001.

##### **New Zealand**

Lubricants, Lubricant Additives, Coolants and Anti-freeze Agents  
(Subsidiary Hazard) Group Standard 2006  
HSR002606  
6.1E

**HSNO Approval Number:**  
**HSNO Hazard Classification:**

#### International Regulations

##### **Ozone-depleting substances (ODS)**

Not applicable

##### **Persistent Organic Pollutants**

Not applicable

##### **Chemicals Subject to Prior Informed Consent (PIC)**

Not applicable

#### International Inventories

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
All ingredients are on the inventory or exempt from listing

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
All ingredients are on the inventory or exempt from listing

**AICS** - Australian Inventory of Chemical Substances  
All ingredients are on the inventory or exempt from listing



**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
All ingredients are on the inventory or exempt from listing

**KECL** - Korean Existing and Evaluated Chemical Substances  
All ingredients are on the inventory or exempt from listing

**IECSC** - China Inventory of Existing Chemical Substances  
All ingredients are on the inventory or exempt from listing

**ENCS** - Japan Existing and New Chemical Substances  
All ingredients are on the inventory or exempt from listing

**TCSI** - Taiwan National Existing Chemical Inventory  
Contact supplier for inventory compliance status

**NZIoC** - New Zealand Inventory of Chemicals  
All ingredients are on the inventory or exempt from listing

#### Other Information

Not applicable

## SECTION 16: OTHER INFORMATION

**Issuing Date** 03-26-2017  
**Revision Date** 03-26-2017  
**Revision Note** Initial Release

#### Key or legend to abbreviations and acronyms used in the safety data sheet

TWA	Time weighted average	STEL	Short term exposure limit
Ceiling	Maximum limit value:	(s) - Skin	Skin designation
+	Sensitizers	C	Carcinogen

STOT SE - Specific target organ systemic toxicity (Single exposure)  
STOT RE - Specific target organ systemic toxicity (repeated exposure)  
VOC - Volatile organic compounds

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**