



# SAFETY DATA SHEET

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Date : 2 / 8 / 2011

Supersedes : 0 / 0 / 0

**Gulf Antifreeze XLL****PRODUCT CODE  
6902****SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- 1.1 Product identifier : Gulf Antifreeze XLL
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
- 1.2.1 Relevant identified uses : Antifreeze concentrate.  
Do not use unmixed.
- 1.2.2 Uses advised against : Use only as antifreeze.
- 1.3 Details of the supplier of the safety data sheet : Gulf Oil Nederland B.V.  
Ambachtsweg 31  
1785 AJ - Den Helder - Nederland  
Tel: +31 223 634567  
E-mail: technicalsupport@gulf.nl
- 1.4 Emergency telephone number : +31 223 634567

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture:**

- 2.1.1 Classification according to Directive 1999/45/EC : Classified as dangerous under EC criteria.  
Xn; R22
- 2.1.2 Most important adverse physicochemical effects : None under normal conditions.
- 2.1.3 Most important adverse human health effects : Harmful if swallowed.
- 2.1.4 Most important adverse environmental effects : No specific risk for the environment.

**2.2 Label elements:****2.2.1 Hazard symbols**

- 2.2.2 Indications of danger : Xn: Harmful.
- 2.2.3 Risk phrases : R22 : Harmful if swallowed.
- 2.2.4 Safety advices : S2 : Keep out of the reach of children. - S13 : Keep away from food, drink and animal feedingstuffs. - S35 : This material and its container must be disposed of in a safe way. - S46 : If swallowed seek medical advice immediately and show this container or label. - S51 : Use only in well-ventilated areas. - S56 : Dispose of this material and its container to hazardous or special waste collection point. - S59 : Refer to manufacturer/supplier for information on recovery/recycling.
- 2.3 Other hazards : None under normal conditions.

**SECTION 3: Composition/information on ingredients**

- 3.1 Description of the mixture : Mixture of monoethylene glycol and additives.

**3.2 Composition of the mixture:**

Substance name	Contents	CAS No	EC No	Annex No	Ref REACH	Classification
Ethylene glycol	: 90 - 100 %	107-21-1	203-473-3	603-027-00-1	-----	Xn; R22

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## SECTION 3: Composition/information on ingredients (continued)

Substance name	Contents	CAS No	EC No	Annex No	Ref REACH	Classification
Sodium-2-ethylhexanoate	: 1 - 5 %	19766-89-3	243-283-8	-----	-----	Xn; R63

**3.3 Other information** : See § 16 for full text of all R- phrases.

## SECTION 4: First aid measures

**General Advice** : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

### 4.1 Description of first aid measures:

- **After inhalation** : Remove the casualty to fresh air. Allow the victim to rest. In case of respiratory arrest, administer artificial respiration. If you feel unwell, seek medical advice.
  - **After contact with skin** : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if ill effect or irritation develops.
  - **After contact with the eyes** : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
  - **After ingestion** : Rinse mouth. Do not induce vomiting. Seek medical attention immediately.
- 4.2 Most important symptoms and effects, both acute and delayed** : Symptoms of ingestion include drowsiness, weakness, headache, dizziness, nausea, vomiting.
- 4.3 Indication of any immediate medical attention and special treatment needed** : If swallowed, seek medical advice immediately and show this container or label.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media:

**5.1.1 Suitable extinguishing media** : Water spray. Carbon dioxide. Alcohol resistant foam. Dry chemical product.

**5.1.2 Unsuitable extinguishing media** : Do not use a heavy water stream.

**5.2 Special hazards arising from the substance or mixture** : Under fire conditions, hazardous fumes will be present.

### 5.3 Advice for firefighters:

**5.3.1 Protective actions** : Evacuate unnecessary personnel.  
Avoid fire-fighting water to enter environment.

**5.3.2 Special protective equipment for fire-fighters** : Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.

**5.3.3 Surrounding fires** : Use water spray or fog for cooling exposed containers.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures:

**6.1.1 For non-emergency personnel** : Evacuate unnecessary personnel.

**6.1.2 For emergency responders** : Equip cleanup crew with proper protection. Avoid contact with skin and eyes. Wear suitable protective clothing and gloves.

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## SECTION 6: Accidental release measures (continued)

**6.2 Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

### **6.3 Methods and material for containment and cleaning up:**

**6.3.1 Appropriate containment techniques** : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**6.3.2 Appropriate clean-up procedures** : Clean up any spills as soon as possible, using an absorbent material to collect it. Collect spills and put it into appropriated container.

**6.4 Reference to other sections** : See also headings 8 & 13 for additional information.

## SECTION 7: Handling and storage

### **7.1 Precautions for safe handling:**

**7.1.1 Measures to prevent fire, aerosol and dust generation** : Provide local exhaust or general room ventilation.

**7.1.2 Measures required to protect the environment** : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**7.1.3 Advice on general occupational hygiene** : When using, do not eat, drink or smoke. Where contact with eyes or skin is likely, wear suitable protection.

### **7.2 Conditions for safe storage, including any incompatibilities:**

**7.2.1 Technical protective measures** : Local exhaust and general ventilation must be adequate to meet exposure standards.

**7.2.2 Conditions of storage** : Store in tightly closed, properly ventilated areas away from heat, sparks, open flame. Keep at temperature not exceeding 50°C. Keep away from food, drink and animal feeding stuffs.

**7.2.3 Specific designs for storage rooms or vessels** : Store in accordance with local, regional, national or international regulation.

**7.3 Specific end use(s)** : See Product Data Sheet for detailed information.

## SECTION 8: Exposure controls/personal protection

### **8.1 Control parameters:**

#### **8.1.1 Occupational exposure limit values:**

- EU : EH40 Workplace exposure limit.  
Long-term exposure limit (8-hour TWA reference period)  
Ethane-1,2-diol, vapour; 20 ppm - 52 mg/m<sup>3</sup> (skin)

- USA : The American Conference of Governmental Industrial hygienists (ACGIH) assigns ethylene glycol a ceiling limit value of 50 ppm (127 mg/m<sup>3</sup>), which should not be exceeded during any part of the working exposure. [ACGIH 1993].

**8.1.2 Biological limit values** : No data available.

### **8.2 Exposure controls:**

**8.2.1 Appropriate engineering controls** : Provide adequate ventilation to minimize dust and/or vapour concentrations.

### **8.2.2 Individual protection measures, such as personal protective equipment:**

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- Eye / face protection : Safety glasses.
- Skin protection : Wear suitable protective clothing. (EN 465, EN 466 or EN 467).
- Hand protection : Wear suitable gloves resistant to chemical penetration. (EN 374)
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- 8.2.3 Environmental exposure controls : Avoid release to the environment.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties:**

- Appearance : Aqueous solution.
- Physical state : Liquid.
- Colour : Red.
- Odour : Characteristic
- pH value : 7.6 (50% in water)
- Melting point / Freezing point : -40°C@50% dilution
- Density @ 15°C : 1010 kg/m<sup>3</sup>
- Solubility in water : Miscible.

**SECTION 10: Stability and reactivity**

- 10.1 Reactivity : Stable under normal conditions.
- 10.2 Chemical stability : Stable under normal conditions.
- 10.3 Possibility of hazardous reactions : Reacts with: Strong oxidizing agents. Strong bases.
- 10.4 Conditions to avoid : Extremely high or low temperatures.
- 10.5 Incompatible materials : Flammable materials. Acids.
- 10.6 Hazardous decomposition products : Toxic gases.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects:**

- Acute toxicity : No specific toxicity data on this product available.
- Irritation : Irritating to eyes and respiratory system.
- Corrosivity : No adverse health effects were noted.
- Sensitisation : No sensitization effects known.
- Carcinogenicity : This material or its emissions may cause damage to kidney and liver and/or aggravate existing disorders.
- Mutagenicity : Not expected to be mutagenetic.
- Toxicity for reproduction : Not expected to be toxic.

**11.2 Information on likely routes of exposure:**

- After ingestion : Ingestion may cause nausea, vomiting and diarrhoea.

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## SECTION 11: Toxicological information (continued)

- After inhalation : Inhalation of vapours may cause respiratory irritation.
- After skincontact : Not expected to present a significant skin hazard under anticipated conditions of normal use.
- After eyecontact : Contact with the eyes is likely to be irritating.
- 11.3 Symptoms related to the physical, chemical and toxicological characteristics : No adverse symptoms/effects were noted.
- 11.4 Delayed and immediate effects as well as chronic effects from short and long-term exposure : Substance may have effects on the central nervous system, resulting in abnormal eye movements(nystagmus). Substance may cause effects on the kidneys and central nervous system, resulting in renal failure and brain injury. Exposure could cause lowering of consciousness.
- 11.5 Other toxicological information : No data available.

## SECTION 12: Ecological information

- 12.1 Toxicity : No specific ecotoxicity data on this product available.
- 12.2 Persistence and degradability : Biodegradable.
- 12.3 Bioaccumulative potential : There are no indications for appearance of bioaccumulation.
- 12.4 Mobility in soil : Not determined.
- 12.5 Results of PBT and vPvB assessment : Not applicable.
- 12.6 Other adverse effects : No data available.

## SECTION 13: Disposal considerations

- 13.1 Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations. See Directive 2001/118/EC
- 13.2 Waste Code European Waste List : 16 01 14 - antifreeze fluids containing dangerous substances.  
15 01 10 - packaging containing residues of or contaminated by dangerous substances.

## SECTION 14: Transport information

Not classified.

## SECTION 15: Regulatory information

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

#### National regulations:

- Germany : Water Hazard Class: 1 - slightly hazardous to water
- Netherlands : Water pollution effect indication {11}: Slightly harmful to aquatic organisms.  
Abatement effort: B

#### International Regulations:

- European Inventory of Existing Commercial Chemical Substances (EINECS) : All components listed.

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6902****SECTION 15: Regulatory information (continued)****15.2 Chemical safety assessment** : Not applicable.**SECTION 16: Other information**

- 16.1 Revision Indicators** : None.
- 16.2 Abbreviations and acronyms** : EC = European Community  
EN = European Norm  
TWA = Time Weighted Average
- 16.3 Key literature references and sources for data** : Concawe Report 01/53, Concawe Report 01/54, Concawe Report 05/87.  
Regulations (EC) No 1907/2006, 1272/2008 & 453/2010 of the European Parliament and of the Council.
- 16.4 List of relevant R phrases** : R22 : Harmful if swallowed.  
R63 : Possible risk of harm to the unborn child.
- 16.5 Training advice** : See Product Data Sheet for detailed information.

The contents and format of this SDS are in accordance with COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

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**End of document****Gulf Oil Nederland B.V.**

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