



## 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** WYNN'S EXTREME ANTIFREEZE 1 LITRE
- **Article number:** 514
- **Application of the substance / the preparation**  
Antifreeze for refrigerating circuits of internal combustion engines.
- **Details of the supplier of the safety data sheet**
- **Further information obtainable from:**  
WYNN OIL SOUTH AFRICA ( PTY ) LTD  
22 Mopedi Road,  
Sebenza, Edenvale  
1609  
Gauteng  
South Africa  
Tel: 2711 609 3708  
Fax: 2711 609 2218  
technical@wynns.co.za
- **Emergency telephone number:** Tel: 2711 609 3708

## 2 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Blend of inorganic oxide, silicate, cellulose and carbonate.
- **Dangerous components:**  
Not applicable

107-21-1	ethanediol	Xn R22	50 < 100%
1303-96-4	Disodium tetraborate, decahydrate	Xn R22	< 2.5%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

## 3 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
 Xn; Harmful  
R22-48: Harmful if swallowed. Danger of serious damage to health by prolonged exposure.
- **Information concerning particular hazards for human and environment:**  
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.  
N/A
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Label elements**
- **Labelling according to EU guidelines:**  
Observe the general safety regulations when handling chemicals.  
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Code letter and hazard designation of product:**  
Xn Harmful

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## Safety data sheet

According to 91/155 EEC

Printing date 13.04.2015

Revision: 20.01.2015

**Trade name: WYNN'S EXTREME ANTIFREEZE 1 LITRE**

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- **Hazard-determining components of labelling:**  
ethanediol
- **Risk phrases:**  
22 Harmful if swallowed.  
48 Danger of serious damage to health by prolonged exposure.
- **Safety phrases:**  
2 Keep out of the reach of children.  
46 If swallowed, seek medical advice immediately and show this container or label.  
28 After contact with skin, wash immediately with plenty of water.  
56 Dispose of this material and its container to hazardous or special waste collection point.  
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
23 Do not breathe vapour.

### 4 First aid measures

- **General information:**  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Call for a doctor immediately.

### 5 Firefighting measures

- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.

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- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

#### · **Ingredients with limit values that require monitoring at the workplace:**

##### **107-21-1 ethanediol**

OEL (South Africa)	Short-term value: 40 ppm Long-term value: 20 ppm
IOELV (EU)	Short-term value: 104 mg/m <sup>3</sup> , 40 ppm Long-term value: 52 mg/m <sup>3</sup> , 20 ppm Skin

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.
- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling

### 9 Physical and chemical properties

- **General Information**
- **Appearance:**

Form:	Liquid
Colour:	As per product specification
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value at 20 °C:** 8
- **Change in condition**

Melting point/Melting range:	-12.4 °C
Boiling point/Boiling range:	160 °C

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· <b>Flash point:</b>	120 °C
· <b>Ignition temperature:</b>	410 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>Self-igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
<b>Lower:</b>	3.2 Vol %
<b>Upper:</b>	53 Vol %
· <b>Vapour pressure at 20 °C:</b>	1.2 hPa
· <b>Density at 20 °C:</b>	1.125 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water at 20 °C:</b>	1 g/l
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	0.0 %
<b>VOC (EC)</b>	1076.4 g/l
· <b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Acute toxicity:**

· <b>LD/LC50 values relevant for classification:</b>		
<b>107-21-1 ethanediol</b>		
Oral	LD50	5840 mg/kg (rat)
Dermal	LD50	9530 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** Slightly Irritant
- **on the eye:** No irritating effect.
- **Sensitization:** Slightly Irritant

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

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Harmful

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## 12 Ecological information

- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

## 14 Transport information

· <b>UN-Number</b>	N/A
· <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>UN proper shipping name</b>	
· <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>Transport hazard class(es)</b>	N/A
· <b>ADR, ADN, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>Packing group</b>	N/A
· <b>ADR, IMDG, IATA</b>	Void
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.

## 15 Regulatory information

- **Labelling according to EU guidelines:**  
Observe the general safety regulations when handling chemicals.  
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

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· **Code letter and hazard designation of product:**

Xn Harmful

· **Hazard-determining components of labelling:**

ethanediol

· **Risk phrases:**

22 Harmful if swallowed.

48 Danger of serious damage to health by prolonged exposure.

· **Safety phrases:**

2 Keep out of the reach of children.

46 If swallowed, seek medical advice immediately and show this container or label.

28 After contact with skin, wash immediately with plenty of water.

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45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

23 Do not breathe vapour.

· **National regulations:**

Class	Share in %
NK	95.0

## 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

· **Relevant phrases**

R22 Harmful if swallowed.

· **Department issuing MSDS:**

WYNN OIL SOUTH AFRICA (PTY) LTD

22 Mopedi Road

Sebenza, Edenvale

1609

Gauteng

South Africa

Tel: 2711 609 3708

Fax: 2711 609 2218

technical@wynns.co.za

· **Contact: 2711 609 3708**

· **\* Data compared to the previous version altered.**