

# SAFETY DATA SHEET

## WYNN'S (P) HEAVY DUTY COOLANT CONCENTRATE BLUE

Infosafe No.: 5APJH  
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Issued by: ITW AAMTech

### 1. IDENTIFICATION

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**GHS Product Identifier**

WYNN'S (P) HEAVY DUTY COOLANT CONCENTRATE BLUE

**Product Code**

53512

**Company Name**

ITW AAMTech (ABN 63 004 235 063)

**Address**

1-9 NINA LINK DANDENONG SOUTH  
VIC 3175 AUSTRALIA

**Telephone/Fax Number**

Tel: 1800 177 989

Fax: +61 2 9725 4698

**Emergency phone number**

1800 638 556

**E-mail Address**

info@aamtech.com.au

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

Concentrated vehicle engine coolant.

**Disclaimer**

Website: [www.aamtech.com.au](http://www.aamtech.com.au)

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Email: [info@aamtech.com.au](mailto:info@aamtech.com.au)

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New Zealand

Autoserv NZ Ltd

2/38 Trugood Drive, East Tamaki, Auckland

Tel: 0800 438 996

Email: [warehouse@autoserv.co.nz](mailto:warehouse@autoserv.co.nz)

### 2. HAZARD IDENTIFICATION

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**GHS classification of the substance/mixture**

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

Acute Toxicity - Oral: Category 4

**Signal Word (s)**

WARNING

**Hazard Statement (s)**

Harmful if swallowed.

**Precautionary Statement (s)**

Keep out of reach of children.

Read label before use.

**Pictogram (s)**

Exclamation mark

**Precautionary statement – Prevention**

Wash contaminated skin thoroughly after handling.

**Precautionary statement – Response**

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

Call a POISON CENTER or doctor/physician if you feel unwell.

**Precautionary statement – Storage**

Store locked up.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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**Ingredients**

Name	CAS	Proportion
Ethylene glycol	107-21-1	>60 %
Denatonium benzoate	3734-33-6	10 ppm
Ingredient determined not to be hazardous	Not required	Balance

### 4. FIRST-AID MEASURES

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**Inhalation**

IMMEDIATELY leave the contaminated area; take deep breaths of fresh air. If symptoms (such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest) develop, transport to nearest medical facility for treatment.

**Ingestion**

DO NOT INDUCE VOMITING. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical and seek immediate medical attention.

If the victim is convulsing or unconscious, do NOT give anything by mouth.

Ensure that the victim's airway is open and lay the victim on his/her side with the head lower than the body.

If vomiting occurs, lean victim forward or place on side to maintain open airway and prevent aspiration into the lungs.

**Skin**

Wash affected skin with water while removing contaminated clothing. Gently wash all affected skin areas thoroughly with soap and water. If symptoms such as redness or irritation develop, seek medical attention.

**Eye contact**

First check the victim for contact lenses and remove if present. gently flush victim's eyes with tepid (NOT cold) water for 20 to 30 minutes.

If symptoms such as redness or irritation develop, seek immediate medical attention.

**First Aid Facilities**

Potable (drinking) water should be available to drink and for rinsing eyes and skin.

First aid requirements should be assessed on individual workplace risk, taking into account the likelihood and severity of the risk

and whether implementation is reasonably practicable.

#### Advice to Doctor

Treat as for exposure to Ethylene Glycol.

Contains bittering agent 10mg/kg Denatonium Benzoate.

## 5. FIRE-FIGHTING MEASURES

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#### Suitable Extinguishing Media

Use alcohol foam, dry chemical, water spray, fog or carbon dioxide. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective. Do not use direct water stream. May spread fire.

#### Hazards from Combustion Products

Carbon dioxide and carbon monoxide

#### Special Protective Equipment for fire fighters

Full protective clothing and SCBA

#### Precautions in connection with Fire

When heated to decomposition, emits acrid smoke and irritating fumes.

## 6. ACCIDENTAL RELEASE MEASURES

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#### Emergency Procedures

Slippery when spilt. Isolate area. Keep unnecessary and unprotected personnel from entering the area. Wear PPE as per Section 8.

#### Methods And Materials For Containment And Cleaning Up

Contain spilled material if safe to do so.

Collect in suitable and properly labelled containers. Small spills: Absorb with materials such as: cat litter, sand, vermiculite. Large spills: Dike area to contain spill. Pump into suitable and properly labelled containers.

## 7. HANDLING AND STORAGE

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#### Precautions for Safe Handling

Avoid contact with skin and clothing. Do NOT swallow. Avoid breathing vapours. Keep container closed. Use only with adequate ventilation. When using, do not eat, drink or smoke. Before eating, drinking or smoking, remove any contaminated clothing and wash thoroughly.

#### Conditions for safe storage, including any incompatibilities

Keep in original container in a cool well-ventilated area.

Avoid all possible sources of ignition. Do not store near strong oxidisers.

Keep containers securely sealed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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#### Occupational exposure limit values

Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
Ethylene glycol		TWA	60	mg/m <sup>3</sup>	
Ethylene glycol		STEL	120	mg/m <sup>3</sup>	

#### Biological Limit Values

No biological limit allocated.

#### Appropriate Engineering Controls

Ensure that adequate ventilation is provided. Avoid generating and inhaling mists.

#### Respiratory Protection

Where ventilation is poor or using in enclosed spaces, wear a respirator fitted with organic vapour cartridge with P2 particulate filter.

**Eye Protection**

Use safety glasses (with side shields) or chemical goggles.

**Hand Protection**

Use chemical resistant gloves. Recommended gloves are butyl rubber, neoprene or nitrile/butadiene rubber, PVA or PVC.

**Body Protection**

Enclosed footwear

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Appearance**

Clear blue liquid with slight odour

**Melting Point**

-19C approx

**Boiling Point**

165C approx.

**Solubility in Water**

Soluble

**Specific Gravity**

1.12

**pH**

8.6 approx

**Flash Point**

125C approx

**Other Information**

Ignition Temperature = 412°C

Flammability Limits: 3.2%-15.3%

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## 10. STABILITY AND REACTIVITY

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**Chemical Stability**

Stable under normal conditions of use

**Conditions to Avoid**

Excessive heat, ignition sources

**Incompatible materials**

Strong acids, strong alkalis, strong oxidizers.

**Hazardous Decomposition Products**

Burning can produce carbon monoxide and/or carbon dioxide.

**Possibility of hazardous reactions**

No dangerous reaction known under conditions of normal use

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## 11. TOXICOLOGICAL INFORMATION

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**Acute Toxicity - Oral**

For Ethylene glycol: Lethal Dose, Human, adult 100 ml

LD50, Rat, male and female 4700 mg/kg

**Acute Toxicity - Inhalation**

For ethylene glycol:

LC50, 7 h, Aerosol, Rat > 3.95 mg/l

LC50, 6 h, Aerosol, Rat, male and female > 2.5 mg/l

**Acute Toxicity - Dermal**

Dermal (rabbit) LD50 10,600 mg/kg (supplier SDS for ethylene glycol)

### **Ingestion**

Harmful if swallowed.

Initial symptoms following a large dose of ethylene glycol (>100 mL) are those of alcohol intoxication (without the odour of ethanol) progressing to vomiting, headache, stupor, convulsions and unconsciousness. Respiratory system involvement may occur 12 - 24 hours after ingestion. Symptoms may include hyperventilation and rapid shallow breathing. From 24 - 72 hours the patient may experience a decrease in urine output, flank pain progressing to renal failure which may be permanent. Death may occur from respiratory failure or pulmonary oedema.

### **Inhalation**

At room temperature, exposure to vapour is minimal due to low volatility. With good ventilation, single exposure is not expected to cause adverse effects. If material is heated or areas are poorly ventilated, vapour/mist may accumulate and cause respiratory irritation and symptoms such as headache, dizziness and nausea.

### **Skin**

Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis. Can be absorbed through the skin. Effects can include those described for 'INGESTION'.

### **Eye**

May cause slight eye irritation. Corneal injury is unlikely. Vapour or mist may cause eye irritation.

### **Mutagenicity**

For ethylene glycol, in vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.

### **Respiratory Irritation**

No relevant data found.

### **Skin Sensitisation**

For ethylene glycol, did not cause allergic skin reactions when tested in guinea pigs.

### **Carcinogenicity**

For ethylene glycol, it did not cause cancer in long-term animal studies.

### **Reproductive Toxicity**

Ingestion of large amounts of ethylene glycol has been shown to interfere with reproduction in animals

### **Chronic Effects**

Ingestion (ethylene glycol):

Observations in humans include: Nystagmus (involuntary eye movement). In animals, effects have been reported on the kidneys and liver.

### **Other Information**

Based on animal studies, ingestion of very large amounts of ethylene glycol appears to be the major and possibly only route of exposure to produce birth defects. Exposures by inhalation or skin contact, the primary routes of occupational exposure, had minimal effect on the foetus, in animal studies.

## **12. ECOLOGICAL INFORMATION**

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### **Ecotoxicity**

Product has not been tested, however for the ingredient ethylene glycol, the material is not classified as dangerous to aquatic organisms (LC50/EC50 values are greater than 100 mg/L in most sensitive species).

### **Persistence and degradability**

Product has not been tested however for the major constituent ethylene glycol, the material is readily biodegradable. Passes OECD test(s) for ready biodegradability.

### **Bioaccumulative Potential**

For the ingredient ethylene glycol:

Bioconcentration potential is low (BCF < 100 or Log Pow < 3).

### **Acute Toxicity - Fish**

For ethylene glycol:

LC50, rainbow trout (*Oncorhynchus mykiss*), static, 96 h: 18,000 - 46,000 mg/l

### **Acute Toxicity - Daphnia**

For ethylene glycol:

EC50, water flea *Daphnia magna*, static, 48 h, immobilization: > 100 mg/l

### **Acute Toxicity - Algae**

For ethylene glycol:

ErC50, green alga *Pseudokirchneriella subcapitata*, Growth rate inhibition, 96 h: 6,500 - 13,000 mg/l

#### **Acute Toxicity - Other Organisms**

For ethylene glycol:

EC50, OECD 209 Test; activated sludge, 30 min: 225 mg/l

### **13. DISPOSAL CONSIDERATIONS**

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#### **Disposal considerations**

Ensure waste disposal conforms to local waste disposal regulation. Avoid unauthorised discharge to sewer.

#### **Special precautions for landfill or incineration**

Material is suitable for disposal by incineration or landfill through approved agents.

### **14. TRANSPORT INFORMATION**

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#### **U.N. Number**

None Allocated

#### **UN proper shipping name**

None Allocated

#### **Transport hazard class(es)**

None Allocated

### **15. REGULATORY INFORMATION**

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#### **Poisons Schedule**

S5

#### **HSNO Approval Number**

6.1D (oral), 6.4A, 6.9A (oral), 9.3C

Corrosion Inhibitors (Subsidiary Hazard) Group Standard 2006 HSR002549.

#### **Australia (AICS)**

All ingredients listed.

### **16. OTHER INFORMATION**

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#### **References**

Supplier Safety Data Sheets

Globally Harmonised System of Classification and Labelling of Chemicals, ST/SG/AC.10/30, United Nations 2003

Australian Code for the Transport of Dangerous Goods by Road and Rail.

International Maritime Dangerous Goods Code.

International Air Transport Association Dangerous Goods Regulations.

User Guide to the HSNO Control Regulations ERMA New Zealand

#### **Contact Person/Point**

Australia:

24 HOUR EMERGENCY CONTACT (Chemical Safety International): 1 800 638 556

Poisons Information Centre (Australia): 13 11 26

New Zealand:

24 HOUR EMERGENCY CONTACT (Chemical Safety International): 0800 154 666

NZ National Poisons Centre (24 Hour): 0800 764 766

#### **DISCLAIMER:**

This Safety Data Sheet summarises at the date of issue to the best of our knowledge, the health and safety hazards of the product and how to safely handle and use the product.

As ITW AAMTech cannot anticipate or control the conditions under which the product is used, customers are encouraged, prior to usage, to assess and control the risks associated with their use of the product.

Data sheets from unauthorised sources may contain information that is no longer current or accurate. This SDS is valid for 5 years from date of issue. However, this version may be revoked and revised at any time, and users should contact ITW AAMTech to ensure they are in possession of the latest version.

**Signature of Preparer/Data Service**

AMS

**END OF SDS**

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