

SAFETY DATA SHEET

WYNN'S (P) HEAVY DUTY COOLANT 50/ 50 PREMIX RED

Infosafe No.: 5APJI
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Issued by: ITW AAMTech

1. IDENTIFICATION

GHS Product Identifier

WYNN'S (P) HEAVY DUTY COOLANT 50/50 PREMIX RED

Product Code

54510

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

Pre-mixed vehicle engine coolant.

Disclaimer

Website: www.aamtech.com.au

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Email: info@aamtech.com.au

*

New Zealand

Autoserv NZ Ltd

2/38 Trugood Drive, East Tamaki, Auckland

Tel: 0800 438 996

Email: warehouse@autoserv.co.nz

2. HAZARD IDENTIFICATION

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

Ingredients

Name	CAS	Proportion
Ethylene glycol	107-21-1	30-60 %
Water	7732-18-5	30-60 %
Denatonium benzoate	3734-33-6	10 ppm
Ingredient determined not to be hazardous	Not required	Balance

4. FIRST-AID MEASURES

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

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

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

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

Occupational exposure limit values

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

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Clear red liquid with slight odour

Boiling Point

106C approx.

Solubility in Water

Soluble

pH

8.0 approx

Vapour Pressure

2.3@20C

Volatile Component

>60%

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

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

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

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

U.N. Number

None Allocated

UN proper shipping name

None Allocated

Transport hazard class(es)

None Allocated

15. REGULATORY INFORMATION

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

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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