



51705/51720

Issue Date: March 2008

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# HD ENGINE COOLANT CONCENTRATE

## Material Safety Data Sheet

### SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	Wynn's HD Engine Coolant Concentrate
<b>Other Names</b>	51705 205 litres / 51720 20 litres Ethylene Glycol / SUSDP Schedule 5
<b>Recommended Use</b>	Concentrated vehicle engine coolant
<b>Supplier Name</b>	Wynn's Australia Pty Ltd An (ITW), Illinois Tool Works Company ABN 73 000 370 150
<b>Address</b>	100 Hassall Street, Wetherill Park NSW 2164 Private Bag 35, Wetherill Park DC NSW 2164
<b>Telephone Number</b>	(02) 9828 0900 Email: <a href="mailto:wynnsaus@wynns.net">wynnsaus@wynns.net</a> Website: <a href="http://www.wynns.net">www.wynns.net</a>
<b>Emergency Phone Number</b>	(02) 9828 0900 Monday-Friday 8.00am – 5.00pm 13 11 26 (24 hours Australia) Poisons Information Centre (PIC) 0800 764 766 (New Zealand) Poisons Information Centre (PIC)

### SECTION 2 HAZARDS IDENTIFICATION

<b>Hazard Classification</b>	HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. Classified as hazardous according to the criteria of NOHSC. Not classified as Dangerous Goods according to the criteria of the ADG Code for transport by Road and Rail.
<b>Risk Phrase</b>	R22 Harmful if swallowed. R36/37/38 Irritating to eyes, respiratory system and skin.

**Safety Phrase**

S2 Keep out of the reach of children  
S20 When using, do not eat or drink  
S24/25 Avoid contact with skin and eyes

<b>SECTION 3</b>	<b>COMPOSITION/INFORMATION ON INGREDIENTS</b>
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**Pure substances**

Not applicable – Mixture

**Mixtures**

Chemical Identity	CAS Number	Proportion
Ethylene Glycol	107-21-1	>60%
Corrosion Inhibitors	-	<10%
Water	7732-18-5	<10%
Antifoam	-	<1%
Dye	-	<1%
Denatonium Benzoate	3734-33-6	10ppm

<b>SECTION 4</b>	<b>FIRST AID MEASURES</b>
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**Ingestion**

If swallowed, do NOT induce vomiting. Have conscious person drink several glasses of water or milk. Seek immediate medical attention.

**Skin**

If skin contact occurs, wash skin thoroughly with water and follow by washing with soap if available. If irritation persists, seek medical attention.

**Eye**

If in eyes, hold eyes open, flood with water for at least 15 minutes. If irritation persists seek medical attention.

**Inhalation**

Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

**First Aid Facilities**

Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

**Advice to Doctor**

Contains 950 mL/L Ethylene Glycol.  
Contains bittering agent 10mg/kg Denatonium Benzoate.  
Treat symptomatically.

## **SECTION 5 FIRE FIGHTING MEASURES**

<b>Suitable Extinguishing Media</b>	For a small fire, use dry chemicals, carbon dioxide, water spray or foam. For large fires, use water spray, fog. Do not use water jet.
<b>Hazards From Combustion Products</b>	Carbon dioxide and carbon monoxide.
<b>Precautions For Fire Fighters</b>	When heated to decomposition, emits acrid smoke and irritating fumes. Not a product presenting risks of explosion.
<b>Special Protective Equipment</b>	Wear full protective clothing and SCBA.
<b>Hazchem Code</b>	None assigned.

## **SECTION 6 ACCIDENTAL RELEASE MEASURES**

<b>Emergency Procedures</b>	Observe all local and national regulations.
<b>Methods and Materials for Containment and Clean Up Procedures</b>	For small spills, dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. For large spills, absorb with an inert material and put the spilled material in an appropriate waste disposal container. Dispose of in accordance with regional regulations.

## **SECTION 7 HANDLING AND STORAGE**

<b>Precautions for Safe Handling</b>	Avoid contact with eyes, skin and clothing. Do NOT ingest. Avoid breathing vapours. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands.
<b>Conditions for Safe Storage</b>	Keep container in a cool, well-ventilated area. Avoid all possible sources of ignition. Do not store near strong oxidisers.

<b>SECTION 8</b>	<b>EXPOSURE CONTROLS/PERSONAL PROTECTION</b>
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**National Exposure Standards**

Name	ES-TWA	ES-STEL	ES-Peak
None established for product.	-	-	-
Established for ingredients.			
Ethylene Glycol	60mg/m <sup>3</sup>	120 mg/m <sup>3</sup>	

**Alternative Standards****Biological Limit Values**

No biological limit allocated.

**Engineering Controls**

Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists.

**Personal Protective Equipment****Respiratory Protection**

Wear appropriate respirator when ventilation is inadequate.

**Eye / Face Protection**

Wear safety goggles.

**Skin Protection**

Use solvent resistant gloves. Nitrile, PVC or neoprene  
No special protection is ordinarily required beyond standard issue work clothes.

**Thermal Hazards**

None required.

<b>SECTION 9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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**Appearance**

Green viscous liquid

**Odour**

None

**pH Value**

10.5 (50% volume in distilled water)

**Vapour Pressure**

0.06 mm Hg @ 20°C

**Vapour Density**

2.1 (air = 1) @ 20°C

**Boiling Point/Range**

197°C

**Freezing Point**

-13°C

**Melting Point**

Not applicable

**Solubility**

Soluble in water, methanol, diethyl ether

**Density**

1.130 @ 15°C

**Flash Point**

116°C (PMCC)

**Flammable Limits**

3.2 – 15.3

**Ignition Temperature**

412°C

**SECTION 10 STABILITY AND REACTIVITY**

<b>Chemical Stability</b>	Stable under normal conditions of use.
<b>Conditions to Avoid</b>	None known.
<b>Incompatible Materials</b>	Strong oxidising agents, acids, alkalis.
<b>Hazardous Decomposition Products</b>	Burning can produce carbon monoxide and/or carbon dioxide.
<b>Hazardous Reactions</b>	None known.

**SECTION 11 TOXICOLOGICAL INFORMATION**

<b>Toxicology Information</b>	No adverse health effects if product is handled correctly. Symptoms may arise if product is mishandled.
<b>Acute Health Effects</b>	
<b>Ingestion</b>	Hazardous in case of ingestion.
<b>Inhalation</b>	Inhalation should be minimal since vapours are unlikely due to physical properties. Inhalation may cause irritation to lung.
<b>Eye</b>	Contact may cause eye irritation.
<b>Skin</b>	Irritant – prolonged contact may cause dermatitis.
<b>Chronic Health Effects</b>	
<b>Ingestion</b>	Toxic to kidneys and liver. Acute oral toxicity (LD50): 4700 mg/kg (Rat).
<b>Skin</b>	Acute dermal toxicity (LD50): 9530 MG/KG (Rabbit)

**SECTION 12 ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	Not available.
<b>Persistence/ Degradability</b>	Biodegradable
<b>Mobility</b>	Miscible with water.

**SECTION 13                      DISPOSAL CONSIDERATIONS**

<b>Disposal Methods</b>	Ensure waste disposal conforms to local waste disposal regulations. Avoid unauthorised discharge to sewer.
<b>Special Precautions for Landfill or Incineration</b>	Material suitable for disposal by incineration or landfill through an approved agents.

**SECTION 14                      TRANSPORT INFORMATION**

<b>UN Number</b>	Non regulated
<b>Proper Shipping Name</b>	Not applicable
<b>Class and Subsidiary Risk</b>	Not applicable
<b>Packing Group</b>	Not applicable
<b>Special Precautions for User</b>	None allocated
<b>Hazchem Code</b>	Not applicable

**SECTION 15                      REGULATORY INFORMATION**

<b>Poisons Schedule</b>	Ethylene Glycol / Schedule 5 SUSDP No. 21 (2006).
<b>Hazard Category</b>	Harmful / NOHSC : 10005 (1999). All ingredients present on AICS.

<b>SECTION 16</b>	<b>OTHER INFORMATION</b>
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**Acronyms**

ABN	Australian Business Number
ACGIH	American Conference of Governmental Industrial Hygienists
ADG	Australian Dangerous Goods
AICS	Australian Inventory of Chemical Substances
AS	Australian Standard
CAS	Chemical Abstracts Service (USA)
COC	Cleveland Open Cup
EPA	Environment Protection Agency (Australian States)
IARC	International Agency for Research on Cancer
IP	Institute of Petroleum (UK)
NIOSH	National Institute for Occupational Safety and Health (USA)
NOHSC	National Occupational Health and Safety Commission (Australia)
NTP	National Toxicology Program (USA)
NZS	New Zealand Standard
OSHA	Occupational Safety and Health Administration (USA)
PEL	Permissible Exposure Level
PMCC	Pensky – Martens Closed Cup
SCBA	Self-Contained Breathing Apparatus
STEL	Short Term Exposure Limit
SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons (Australia)
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations

**Abbreviations**

cP	centiPoise
cSt	centiStokes
g	Gram
Hg	Mercury
kPa	kilopascal
L	Litre
m <sup>3</sup>	cubic metre
mg	Milligram
mL	Millilitre
mm	Millimetre
°C	degrees of temperature in Celsius (Centigrade)
%	percent(age)

**Note**

This form has been prepared in accordance with the National Code of Practice for the Preparation of Material Safety Data Sheets 2<sup>nd</sup> Edition [NOHSC:2011 (2003)] issued by the National Occupation Health and Safety Commission April 2003.

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<b>END OF MATERIAL SAFETY DATA SHEET</b>
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