



51805/51820

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HD ENGINE COOLANT PRE-MIX

Material Safety Data Sheet

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Wynn's HD Engine Coolant Pre-Mix
Other Names	51805 205 litres / 51820 20 litres Ethylene Glycol / SUSDP Schedule 5
Recommended Use	Pre-mixed vehicle engine coolant
Supplier Name	Wynn's Australia Pty Ltd An (ITW), Illinois Tool Works Company ABN 73 000 370 150
Address	100 Hassall Street, Wetherill Park NSW 2164 Private Bag 35, Wetherill Park DC NSW 2164
Telephone Number	(02) 9828 0900 Email: wynnsaus@wynns.net Website: www.wynns.net
Emergency Phone Number	(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

Hazard Classification	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.
Risk Phrase	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

SECTION 3	COMPOSITION/INFORMATION ON INGREDIENTS
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Pure substances Not applicable – Mixture

Mixtures

Chemical Identity	CAS Number	Proportion
Ethylene Glycol	107-21-1	30-60%
Water	7732-18-5	30-60%
Corrosion Inhibitors	-	<10%
Antifoam	-	<1%
Dye	-	<1%
Denatonium Benzoate	3734-33-6	10ppm

SECTION 4	FIRST AID MEASURES
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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 480 mL/L Ethylene Glycol.
Contains bittering agent 10mg/kg Denatonium Benzoate.
Treat symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media	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.
Hazards From Combustion Products	Carbon dioxide and carbon monoxide.
Precautions For Fire Fighters	When heated to decomposition, emits acrid smoke and irritating fumes. Not a product presenting risks of explosion.
Special Protective Equipment	Wear full protective clothing and SCBA.
Hazchem Code	None assigned.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Observe all local and national regulations.
Methods and Materials for Containment and Clean Up Procedures	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

Precautions for Safe Handling	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.
Conditions for Safe Storage	Keep container in a cool, well-ventilated area. Avoid all possible sources of ignition. Do not store near strong oxidisers.

SECTION 8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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National Exposure Standards

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

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.

SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance

Clear green thin liquid

Odour

None

pH Value

10.5

Vapour Pressure

0.06 mm Hg @ 20°C

Vapour Density

2.1 (air = 1) @ 20°C

Boiling Point/Range

108°C

Freezing Point

-33°C

Melting Point

Not applicable

Solubility

Soluble in water, methanol, ethanol

Density

1.060 @ 15°C

Flash Point

None

Flammable Limits

Not applicable

Ignition Temperature

Not applicable

SECTION 10 STABILITY AND REACTIVITY

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

SECTION 11 TOXICOLOGICAL INFORMATION

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

SECTION 12 ECOLOGICAL INFORMATION

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

SECTION 13 DISPOSAL CONSIDERATIONS

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

SECTION 14 TRANSPORT INFORMATION

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

SECTION 15 REGULATORY INFORMATION

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

SECTION 16	OTHER INFORMATION
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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 ³	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 2nd Edition [NOHSC:2011 (2003)] issued by the National Occupation Health and Safety Commission April 2003.

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END OF MATERIAL SAFETY DATA SHEET
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