



RADIATOR PROTECTANT

Material Safety Data Sheet

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name Wynn's Radiator Protectant

Other Names 44006 325 ml

Recommended Use Water-based corrosion inhibitor for engine cooling systems

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 NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.
Not classified as hazardous according to the criteria of NOHSC.
Not classified as Dangerous Goods according to the criteria of the ADG Code.

Risk Phrase None

Safety Phrase None

SECTION 3	COMPOSITION/INFORMATION ON INGREDIENTS
------------------	---

Pure substances

Not applicable – Mixture

Mixtures

Chemical Identity	CAS Number	Proportion
Water	7732-18-5	>60%
Sodium Metasilicate	6834-92-0	<10%
Sodium Borate	1303-96-4	<10%
Sodium Nitrate	7631-99-4	<10%
Other non-hazardous ingredients	-	<10%

SECTION 4	FIRST AID MEASURES
------------------	---------------------------

Ingestion

Do NOT induce vomiting. Give water and call a doctor immediately.

Skin

Wash affected area with soap and water. Remove contaminated clothing.

Eye

Flush with water for 15 minutes. If irritation persists, call for medical help.

Inhalation

Remove person to fresh air to avoid further inhalation.

First Aid Facilities

Eye wash station.

Advice to Doctor

Treatment should be based on symptoms and clinical condition.

SECTION 5	FIRE FIGHTING MEASURES
------------------	-------------------------------

Suitable Extinguishing Media

Water, water spray, dry chemicals, foam.

Hazards From Combustion Products

Thermal decomposition may produce oxides of carbon and sodium.

Precautions For Fire Fighters

Use water to cool fire exposed containers.

Special Protective Equipment

Fire fighters to wear a self contained breathing apparatus.

Hazchem Code

None allocated.

SECTION 6	ACCIDENTAL RELEASE MEASURES
------------------	------------------------------------

Emergency Procedures	Prevent product from entering drink water supplies and sewer.
Methods and Materials for Containment and Clean Up Procedures	With small spills, absorb with inert absorbent material. Shovel into waste containers. Dispose in compliance with Federal, State and Local regulations.

SECTION 7	HANDLING AND STORAGE
------------------	-----------------------------

Precautions for Safe Handling	Avoid skin and eye contact. Keep out of reach of children.
Conditions for Safe Storage	Avoid freezing. Do not store opened unenclosed bottles. Use entire contents.

SECTION 8	EXPOSURE CONTROLS/PERSONAL PROTECTION
------------------	--

National Exposure Standards

Name	ES-TWA	ES-STEL	ES-Peak
None established for product.	-	-	-
None established for ingredients.	-	-	-

Alternative Standards Contains no other ingredients now known to be hazardous as defined by OSHA 29CFR 1910.1000(z) and 29CFR 1910.1200.

Biological Limit Values No biological limit allocated.

Engineering Controls Normal ventilation

Personal Protective Equipment

Respiratory Protection None required.

Eye / Face Protection Safety glasses.

Skin Protection Rubber, plastic gloves.

Thermal Hazards None applicable.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear thin green liquid
Odour	None
pH Value	11.8 (100% concentration) 10.6 (5% concentration in distilled water)
Vapour Pressure	Irrelevant
Vapour Density	Irrelevant
Boiling Point/Range	100°C
Freezing Point	0°C
Melting Point	Not applicable
Solubility	100% in water
Density	1.071 @ 15°C
Flash Point	None
Flammable Limits	Not applicable
Ignition Temperature	Not applicable

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable
Conditions to Avoid	None applicable. Not flammable or combustible.
Incompatible Materials	Strong acids, oxidising materials.
Hazardous Decomposition Products	Thermal decomposition may produce oxides of carbon and sodium.
Hazardous Reactions	Polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Toxicology Information	This material has not been identified as a carcinogen by NTP, IARC or OSHA.
Acute Health Effects	
Ingestion	May cause irritation to the digestive tract.
Inhalation	No effect.
Eye	May cause slight irritation, watery eyes and blurred vision.
Skin	May absorb on prolonged and repeated exposure. May cause slight irritation on prolonged contact.
Chronic Health Effects	

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity	Not available.
Persistence/ Degradability	Not available.
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 landfill through an approved agent.

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 None scheduled.

Hazard Category None allocated.

SECTION 16	OTHER INFORMATION
-------------------	--------------------------

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	centiStoke
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.

All information contained in this form is as accurate as possible at the time of issue. The data contained herein is not to be taken as an expressed or implied warranty or representation, for which Wynn's Australia Pty Ltd assumes legal responsibility. No responsibility for damages resulting from use of the information are given, other than those implied mandatorily by Federal or State Government Legislation.

END OF MATERIAL SAFETY DATA SHEET