



A4701

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# HEAVY DUTY UNIVERSAL COOLING SYSTEM FLUSH

## Material Safety Data Sheet

### SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	Wynn's Heavy Duty Universal Cooling System Flush
<b>Other Names</b>	A4701 354 ml
<b>Recommended Use</b>	Water-based cleaner for engine cooling systems
<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 N.S.W 2164 Private Bag 35, Wetherill Park DC N.S.W. 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. DANGEROUS GOODS. Classified as hazardous according to the criteria of NOHSC. Classified as Dangerous Goods according to the criteria of the ADG Code.
<b>Poisons Schedule</b>	S6

**Risk** Harmful if swallowed. R22  
Causes severe burns. R35  
Risk of serious damage to eyes. R41

**Safety** Keep locked up. S01  
Wear suitable protective clothing. S36

To clean the floor and all objects contaminated by this material use water. S401.  
Take off immediately all contaminated clothing. S27  
In case of accident or if you feel unwell IMMEDIATELY contact Doctor or Poisons Information Centre (show label if possible). S45  
This material and its container must be disposed of as hazardous waste. S60

<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
Water	7732-18-5	>60%
Sodium Nitrite	7632-00-0	<1%
Potassium Hydroxide	1310-58-3	<1%
Other non-hazardous ingredients	-	<1%

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

<b>Suitable Extinguishing Media</b>	Water, water spray, dry chemicals, foam.
<b>Hazards From Combustion Products</b>	Thermal decomposition may produce oxides of carbon and sodium.
<b>Precautions For Fire Fighters</b>	Use water to cool fire exposed containers.
<b>Special Protective Equipment</b>	Fire fighters to wear a self contained breathing apparatus.
<b>Hazchem Code</b>	None allocated.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures</b>	Prevent product from entering drink water supplies and sewer.
<b>Methods and Materials for Containment and Clean Up Procedures</b>	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

<b>Precautions for Safe Handling</b>	Avoid skin and eye contact. Keep out of reach of children.
<b>Conditions for Safe Storage</b>	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.	-	-	-
Sodium Nitrite.	Not Established.		
Potassium Hydroxide	ACGIH	TLV-TWA	2mg/m <sup>3</sup>

### Alternative Standards

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

<b>Biological Limit Values</b>	No biological limit allocated.
<b>Engineering Controls</b>	Normal ventilation
<b>Personal Protective Equipment</b>	
<b>Respiratory Protection</b>	None required.
<b>Eye / Face Protection</b>	Safety glasses.
<b>Skin Protection</b>	Rubber, plastic gloves.
<b>Thermal Hazards</b>	None applicable.

## SECTION 9      PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear thin yellow liquid
<b>Odour</b>	None
<b>pH Value</b>	11.4 (100% concentration) 9.8 (5% concentration in distilled water)
<b>Vapour Pressure</b>	Irrelevant
<b>Vapour Density</b>	Irrelevant
<b>Boiling Point/Range</b>	100°C
<b>Freezing Point</b>	0°C
<b>Melting Point</b>	Not applicable
<b>Solubility</b>	100% in water
<b>Density</b>	1.12 @ 15°C
<b>Flash Point</b>	None
<b>Flammable Limits</b>	Not applicable
<b>Ignition Temperature</b>	Not applicable

## SECTION 10      STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable
<b>Conditions to Avoid</b>	None applicable. Not flammable or combustible.
<b>Incompatible Materials</b>	Strong acids, oxidising materials.
<b>Hazardous Decomposition Products</b>	Thermal decomposition may produce oxides of carbon and sodium.
<b>Hazardous Reactions</b>	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** UN1760 (1814).

**Proper Shipping Name** Corrosive liquid, N.O.S. (Contains Potassium Hydroxide)

**Class and Subsidiary  
Risk** Not applicable.

**Packing Group** II

**Special Precautions  
for User** None allocated.

**Hazchem Code** 2R.

<b>SECTION 15</b>	<b>REGULATORY INFORMATION</b>
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**Poisons Schedule**                      None scheduled.

**Hazard Category**                      None allocated.

<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	centiStoke
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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**END OF MATERIAL SAFETY DATA SHEET**