



Issue Date: Aug 2009

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# DIESEL SYSTEM PURGE

## Material Safety Data Sheet

### SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	Wynn's Diesel System Purge
<b>Other Names</b>	15405 500 ml; old name Diesel Injector Purge Liquid Hydrocarbons / SUSDP Schedule 5 FLAMMABLE LIQUID, N.O.S. / ADG
<b>Recommended Use</b>	Cleaning fluid for diesel fuel 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 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. DANGEROUS GOODS. Classified as hazardous according to the criteria of NOHSC. Classified as Dangerous Goods according to the criteria of the ADG Code.
<b>Risk Phrase</b>	R 10 Flammable. R 37 Irritating to respiratory system. R 40 Possible risks of irreversible effects.
<b>Safety Phrase</b>	S 2 Keep out of reach of children. S 24/25 Avoid contact with skin and eyes. S 36/37 Wear suitable protective clothing and gloves.

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

Not applicable – Mixture

**Mixtures**

<b>Chemical Identity</b>	<b>CAS Number</b>	<b>Proportion</b>
Petroleum Distillate	68476-34-6	>60%
Diethylene Glycol	111-46-6	10-<30%
Other non-hazardous ingredients	-	<10%
Methyl Amyl Alcohol	108-11-2	<10%

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

If swallowed, do NOT induce vomiting. If vomiting occurs, keep head below hips to help keep liquid from entering the lungs. For advice, contact a Poisons Information Centre or a doctor.

**Skin**

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Wash affected area with soap and water.

**Eye**

If in eyes, flush with water for 15 minutes. If irritation persists, call for medical help.

**Inhalation**

Remove person to fresh air to avoid further inhalation. Apply artificial respiration if not breathing.

**First Aid Facilities**

Eye wash station.

**Advice to Doctor**

Contains 720mL/L Liquid Hydrocarbons. Aspiration into the lungs during ingestion or vomiting can result in severe pulmonary damage.

<b>SECTION 5</b>	<b>FIRE FIGHTING MEASURES</b>
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**Suitable Extinguishing Media**

Dry chemicals, carbon dioxide, water spray and foam are recommended.

**Hazards From Combustion Products**

Thermal decomposition may produce oxides of carbon, sulphur and nitrogen.

**Precautions For Fire Fighters**

Flammable liquid. Avoid heat, flame or other sources of ignition. Vapours may be ignited by heat or flame. Containers exposed to heat from fire should be cooled with water to prevent vapour pressure build up.

**Special Protective Equipment**

Fire fighters should wear self contained breathing apparatus when hydrocarbons are involved in fire.

**Hazchem Code**

3[Y]E

## SECTION 6 ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures</b>	Isolate area and restrict entry. Eliminate all sources of ignition.
<b>Methods and Materials for Containment and Clean Up Procedures</b>	Use absorbent, sand or clay. Shovel into containers. Remove to outside. Prevent liquid from entering sewers and water ways. Dispose of in accordance with Federal, State and Local regulations.

## SECTION 7 HANDLING AND STORAGE

<b>Precautions for Safe Handling</b>	Keep away from heat and sparks. Do not breathe vapours. Keep containers closed. Keep out of reach of children.
<b>Conditions for Safe Storage</b>	Provide adequate ventilation. Do not store opened containers. Use entire contents.

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### National Exposure Standards

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

Established for ingredients

Mineral Oil Mist	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	-
Methyl Isobutyl Carbinol	25 ppm 104 mg/m <sup>3</sup>	40 ppm 167 mg/m <sup>3</sup>	-

### Alternative Standards

Petroleum Oil Mist	OSHA (PEL)	5 mg/m <sup>3</sup>
	ACGIH (TLV-TWA)	5 mg/m <sup>3</sup>

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

Exposure Standard means the average concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers.

### Biological Limit Values

No biological limit allocated.

### Engineering Controls

Provide adequate general or local ventilation to maintain concentrations below ES / TLV / PEL limits.

**Personal Protective Equipment**

<b>Respiratory Protection</b>	None required with normal application or use of product. If vapours exceed ES / TLV / PEL values, use a NIOSH approved respirator.
<b>Eye / Face Protection</b>	Use safety glasses.
<b>Skin Protection</b>	Chemical resistant gloves.
<b>Thermal Hazards</b>	None applicable.

<b>SECTION 9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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<b>Appearance</b>	Clear thin amber liquid
<b>Odour</b>	Petroleum distillate
<b>pH Value</b>	Not applicable
<b>Vapour Pressure</b>	> 1 mm Hg @ 20°C
<b>Vapour Density</b>	> 1 @ 20°C (air = 1)
<b>Boiling Point/Range</b>	137 - 243°C
<b>Freezing Point</b>	Not available
<b>Melting Point</b>	Not applicable
<b>Solubility</b>	Insoluble in water
<b>Density</b>	0.850 @ 15°C
<b>Flash Point</b>	52°C (PMCC)
<b>Flammable Limits</b>	Not available
<b>Ignition Temperature</b>	Not available
<b>Volatiles</b>	5.4% volume
<b>Cloud Point</b>	-3°C

<b>SECTION 10</b>	<b>STABILITY AND REACTIVITY</b>
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<b>Chemical Stability</b>	Stable
<b>Conditions to Avoid</b>	Heat, flame, or other sources of ignition.
<b>Incompatible Materials</b>	Strong oxidising agents.
<b>Hazardous Decomposition Products</b>	Thermal decomposition may produce oxides of carbon, sulphur and nitrogen.
<b>Hazardous Reactions</b>	Polymerization will not occur.

<b>SECTION 11</b>	<b>TOXICOLOGICAL INFORMATION</b>
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<b>Toxicology Information</b>	This material has not been identified as a carcinogen by NTP, IARC or OSHA. Chronic exposure may cause kidney and liver damage.
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**Acute Health Effects**

<b>Ingestion</b>	Ingestion of this material may cause vomiting. Aspiration into the lungs during ingestion or vomiting can result in severe pulmonary damage.
<b>Inhalation</b>	Inhalation of vapours or mist may cause mild irritation to the upper respiratory tract. High level exposure may result in central nervous system depression.
<b>Eye</b>	May cause irritation to eyes.
<b>Skin</b>	May cause irritation to skin. Prolonged or repeated contact can result in defatting and drying of skin.

**Chronic Health Effects**

<b>SECTION 12</b>	<b>ECOLOGICAL INFORMATION</b>
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<b>Ecotoxicity</b>	No ecotoxicological classifications.
<b>Persistence/ Degradability</b>	Not available.
<b>Mobility</b>	Not available.

<b>SECTION 13</b>	<b>DISPOSAL CONSIDERATIONS</b>
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<b>Disposal Methods</b>	Dispose of waste according to federal, EPA, state and local regulations. Assure conformity with all applicable regulations.
<b>Special Precautions for Landfill or Incineration</b>	Material suitable for disposal by incineration or landfill through an approved agent.

<b>SECTION 14</b>	<b>TRANSPORT INFORMATION</b>
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<b>UN Number</b>	1993
<b>Proper Shipping Name</b>	FLAMMABLE LIQUID, N.O.S.
<b>Class and Subsidiary Risk</b>	3
<b>Packing Group</b>	111
<b>Special Precautions for User</b>	None required.
<b>Hazchem Code</b>	3[Y]E

<b>SECTION 15</b>	<b>REGULATORY INFORMATION</b>
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<b>Poisons Schedule</b>	Liquid Hydrocarbons / Schedule 5 SUSDP No. 21 (2006).
<b>Hazard Category</b>	Harmful / NOHSC : 10005 (1999). FLAMMABLE LIQUID, N.O.S. / ADG Code Sixth Edition (1998).

<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**