



THROTTLE BODY CLEANER

Material Safety Data Sheet

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name Wynn's Throttle Body Cleaner

Other Names 60820 325 ml 60808 500 ml 60810 325 ml tin
 FLAMMABLE LIQUID, N.O.S. / ADG
 Liquid Hydrocarbons / SUSDP Schedule 5

Recommended Use Cleaner for throttle body of fuel injection vehicles

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. DANGEROUS GOODS.
 Classified as hazardous according to the criteria of NOHSC.
 Classified as a Dangerous Good according to the Australian Code for Transport of Dangerous Goods by Road and Rail.

Risk Phrase R 11 Highly Flammable.
 R 20/21 Harmful by inhalation and in contact with skin.
 R 38 Irritating to skin.
 R 65 Harmful : May cause lung damage if swallowed.

Safety Phrase

S 2 Keep out of reach of children.
 S 16 Keep away from sources of ignition.
 S 24/25 Avoid contact with skin or eyes.
 S 29 Do not empty into drains.
 S 62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

SECTION 3	COMPOSITION/INFORMATION ON INGREDIENTS
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Pure substances

Not applicable – Mixture

Mixtures

Chemical Identity	CAS Number	Proportion
Xylene	1330-20-7	10 - <30%
Acetone	67-64-1	10 - <30%
Glycol Ether	770-35-4	10 - <30%
Petroleum Distillate	64742-47-8	10 - <30%
Methyl Acetate	79-20-9	10 - <30%
Ethyl Benzene	100-41-4	<10%
Other non-hazardous ingredients	-	<1%

SECTION 4	FIRST AID MEASURES
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Ingestion

For advice, contact a Poisons Information Centre or a doctor. If swallowed, do NOT induce vomiting.

Skin

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

Eye

Flush eyes with water for 15 minutes. If irritation persists, seek medical attention.

Inhalation

If inhaled, remove person from contaminated area. Apply artificial respiration if not breathing.

First Aid Facilities

Eyewash station and safety shower.

Advice to Doctor

Contains 60 mL/L Ethyl Benzene.
 Contains 260 mL/L Xylene.
 Contains 230 mL/L Acetone.
 Contains 160 mL/L Liquid Hydrocarbons.
 Acetone can be detected in the blood and urine, and has been used as an index of exposure.

SECTION 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Fire extinguishers to be used are dry chemicals, carbon dioxide and foam.
Hazards From Combustion Products	Thermal decomposition may produce oxides of carbon, smoke, toxic fumes.
Precautions For Fire Fighters	Use water to cool fire exposed containers. Heat may cause bursting of containers.
Special Protective Equipment	Firefighters to wear a self-contained breathing apparatus.
Hazchem Code	3[Y]E.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Eliminate all sources of ignition. Ventilate area. Wear full protective equipment.
Methods and Materials for Containment and Clean Up Procedures	Remove spilled liquid with inert absorbent. Remove with non-sparking tools. Shovel into waste drum. Remove drum out of doors. Dispose of in accordance with Federal, State and Local regulations.

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling	Highly Flammable. Keep away from heat and sparks. Keep out of reach of children. Use entire contents.
Conditions for Safe Storage	Keep containers closed. Store in cool dry place. Eliminate all sources of ignition. Avoid sources of heat or flame. Avoid strong oxidising agents.

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

Xylene	80 ppm 350 mg/m ³	150 ppm 655 mg/m ³	- -
Acetone	500 ppm 1,185 mg/m ³	1,000 ppm 2,375 mg/m ³	- -
Ethyl Benzene	100 ppm 434 mg/m ³	125 ppm 543 mg/m ³	- -

Alternative Standards

Ingredient	OSHA (PEL)	ACGIH (TLV-TWA)
Acetone	750 ppm	750 ppm
Xylene	100 ppm	100 ppm
Ethyl Benzene	100 ppm	100 ppm
Petroleum Distillate	5 mg/m ³ as mist	5 mg/m ³ as mist

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

Biological Limit Values

No biological limit allocated.

Engineering Controls

Normal use, none required. Explosion proof local exhaust is recommended in enclosed area. Explosion proof exhaust is recommended to keep ES/TLV/PEL of hazardous components below acceptable limits.

Personal Protective Equipment**Respiratory Protection**

None required with normal application or use of product. If vapours exceed ES/TLV/PEL values, use a NIOSH approved respirator.

Eye / Face Protection

Industrial safety glasses with side shields or chemical goggles.

Skin Protection

Impervious gloves – PVC or Nitrile. Safety shoes or boots.

Thermal Hazards

None required.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear pale yellow thin liquid
Odour	Aromatic
pH Value	Not applicable
Vapour Pressure	> 1 mm Hg @ 20°C
Vapour Density	> 1 (air = 1)
Boiling Point/Range	56°C
Freezing Point	Not available
Melting Point	Not applicable
Solubility	Not soluble in water
Density	0.896 @ 15°C
Flash Point	4°C (PMCC)
Flammable Limits	Not available
Ignition Temperature	Not available
Volatiles	99.9 % volume

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable.
Conditions to Avoid	Heat, open flame and sparks. Highly flammable. Exposure to heat and direct sunlight may cause containers to burst.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Thermal decomposition will produce smoke, oxides of carbon, toxic fumes.
Hazardous Reactions	Polymerisation will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Toxicology Information	Harmful by inhalation. Harmful if swallowed.
Acute Health Effects	
Ingestion	Harmful if swallowed. Will cause central nervous system depression.
Inhalation	Vapours are harmful if inhaled. Irritant to upper respiratory tract. May cause dizziness, nausea, vomiting.
Eye	Severe irritant to eyes. Will cause burning of eyes, blurred vision, watery eyes.
Skin	Irritant to skin. Skin contact may produce a burning sensation, redness, defatting of skin. Can be absorbed through skin.

Chronic Health Effects

Ingestion

Xylene – Mildly toxic by ingestion

orl-hmn LDLo : 50 mg / kg

orl-rat LD50 : 4300 mg / kg

Ethyl Benzene – Moderately toxic by ingestion

orl-rat LD50 : 3500 mg / kg

Acetone – Moderately toxic by ingestion

Human systemic effects by ingestion: coma, kidney damage, and metabolic changes. Narcotic in high concentration.

orl-man TDLo : 2857 mg / kg

orl-rat LD50 : 5800 mg / kg

orl-mus LD50 : 3000 mg / kg

orl-dog LDLo : 8000 mg / kg

orl-rbt LD50 : 5340 mg / kg

Inhalation

Xylene – Mildly toxic by inhalation.

Human systemic effects by inhalation: olfactory changes, conjunctiva irritation and pulmonary changes.

inl-hmn LCLo : 6125 ppm / 12H

inl-rat TCLo : 150 mg / m³ / 24 H

inl-mus LCLo : 30 g / m³

Ethyl Benzene – Mildly toxic by inhalation.

Human systemic effects by inhalation: eye, sleep and pulmonary changes.

A concentration of 0.2% is extremely irritating at first, then causes dizziness, irritation of the nose and throat and a sense of constriction in the chest. Exposure of guinea pigs to 1% concentration has been reported as causing ataxia, loss of consciousness, tremor of the extremities and finally death through respiratory failure. The pathological findings were congestion of the brain and lungs with edema.

inl-hmn TCLo : 100 ppm / 8H

inl-rat TCLo : 600 mg / m³ / 24 H

inl-rbt TCLo : 1000 mg / m³ / 24 H

inl-mus LCLo : 50 g / m³ / 2 H

Acetone – Moderately toxic by inhalation. Human systemic effects by inhalation: changes in EEG, changes in carbohydrate metabolism, nasal effects, conjunctiva irritation, respiratory system effects, nausea and vomiting, and muscle weakness.

In industry, no injurious effects have been reported other than headache from prolonged inhalation.

inh-man TCLo : 12,000 ppm / 4 H

inh-rat LC50 : 50,100 mg / m³ / 8 H

inl-mus LCLo : 110 g / m³ / 1 H

Eye

Xylene – A severe eye irritant.

Some temporary corneal effects are noted, as well as some conjunctival irritation by instillation (adding drops to the eyes one at a time). Irritation can start at 200 ppm.

eye-hmn 200 ppm

eye-rbt 87 mg MILD

eye-rbt 5 mg / 24H SEVERE

Ethyl Benzene – An eye irritant

A concentration of 0.1% of the vapour in air is an irritant to human eyes.

eye-rbt 100 mg

Acetone – A severe eye irritant

eye-hmn 500 ppm

eye-rbt 20 mg / 24H MODERATE

Skin

Xylene – A skin irritant

skn-rbt 500 mg / 24H MODERATE

Ethyl Benzene – Mildly toxic by skin contact.

A skin irritant.

skn-rbt 15 mg / 24H open MILD

skn-rbt LD50 : 17,800 mg / kg

Acetone – A skin irritant. In industry, no injurious effects have been reported other than skin irritation resulting from its defatting action.

skn-rbt 500 mg / 24H MILD

skn-rbt LD50 : 20 g / kg

Other Effects of Prolonged/Repeated Overexposure

This material contains a trace amount of chemical that has been identified as a carcinogen by NTP, IARC or OSHA.

Vapours in a confined area in high concentrations are anesthetic.

Overexposure may result in light headiness, dizziness, nausea.

Prolonged and repeated over-exposure to solvents may result in permanent brain and nervous system damage. May cause kidney and liver damage.

SECTION 12**ECOLOGICAL INFORMATION****Ecotoxicity**

Not available.

**Persistence/
Degradability**

Not available.

Mobility

Not available.

SECTION 13	DISPOSAL CONSIDERATIONS
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Disposal Methods	Ensure waste disposal conforms to local waste disposal regulations.
Special Precautions for Landfill or Incineration	Material suitable for disposal by incineration.

SECTION 14	TRANSPORT INFORMATION
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UN Number	1993
Proper Shipping Name	FLAMMABLE LIQUID, N.O.S.
Class and Subsidiary Risk	3
Packing Group	11
Special Precautions for User	Highly flammable.
Hazchem Code	3[Y]E

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

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	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.

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END OF MATERIAL SAFETY DATA SHEET