



# MATERIAL SAFETY DATA SHEET

## Wynn's X-Tend Non-Chlorinated Brake Cleaner - Aerosol (Japan)

WYNN'S  
A division of Illinois Tool Works Inc.  
1151 West Fifth Street  
Azusa, California 91702

**EMERGENCY TELEPHONE NUMBER:**  
Chemtrec (800) 424-9300  
**INFORMATION TELEPHONE NUMBER:**  
Wynn's (626) 334-0231

### PRODUCT IDENTIFICATION

PRODUCT NAME	EFFECTIVE DATE	PRODUCT CODE
Wynn's X-Tend Non-Chlorinated Brake Cleaner - Aerosol (Japan)	12-30-05	63901
CHEMICAL NAME	CAS NUMBER	
N/A	N/A	

### HAZARDOUS INGREDIENTS

COMMON NAME	CHEMICAL NAME	CAS NO.	%	OSHA PEL	ACGIH TLV-TWA
Petroleum Hydrocarbon	Hexane	110-54-3	80-90	500	50 ppm
Petroleum Hydrocarbon	Propane	74-98-6	10-20	1000	1000 ppm

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

### PHYSICAL DATA

These data are approximate or typical values and should not be used as precise specifications. Unless otherwise noted values are at 20°C(68°F) and 760 mmHg (1 atm).

<b>Boiling Point/Range</b>	0°F(-17.8°C)	<b>Freeze/Melt Point</b>	N/D °F( °C)
<b>Specific Gravity (H<sub>2</sub>O=1) @ 15.6°C</b>	0.674	<b>Vapor Pressure (mm Hg)</b>	N/D
<b>Vapor Density (Air =1)</b>	Heavier than air	<b>Solubility in Water (%)</b>	0
<b>% Volatiles by Volume</b>	100	<b>Evaporation Rate (Butyl Acetate = 1)</b>	Faster than ether
<b>pH (as is)</b>	N/A	<b>pH (dilute) @ %</b>	N/A
<b>Appearance</b>	Clear thin liquid	<b>Odor</b>	Typical

N/D - Not Determined

N/A - Not Applicable

< = Less Than

> = Greater Than

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## FIRE AND EXPLOSION HAZARD DATA

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**Flash Point** <20°F(-6.7°C) **Method** Tag Open Cup

**Flammable or Explosive Limits** (Approximate percent by volume in air)

Lower (LEL) 1.0 Upper (UEL) 8.0

### Hazard Class Identification

	<b>Flammability</b> 3		<b>Hazard Code</b> 0 - Least (insignificant)
<b>Health</b> 2		<b>Reactivity</b> 0	1 - Slight
	<b>Other</b> ---		2 - Moderate
			3 - High
			4 - Extreme

### Extinguishing Media

Carbon dioxide, dry chemicals, foam.

### Special Fire Fighting Procedures

Use water to cool fire exposed containers. Fire fighters wear a self contained breathing apparatus.

### Unusual Fire and Explosion Hazards

Aerosol cans may rupture when exposed to heat.

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## REACTIVITY DATA

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### Stability

Stable.

### Conditions to Avoid

Avoid spraying around open flame. Avoid high temperature sources.

### Materials to Avoid

N/A

### Hazardous Decomposition or Combustion Products

Thermal decomposition may produce oxides of carbon.

**Hazardous Polymerization** (conditions)

WILL NOT OCCUR.

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## HEALTH HAZARDS/ROUTES OF ENTRY

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### Signs, Symptoms and Effects of Overexposure

- Ingestion** (swallowing) Harmful if swallowed. Can cause vomiting, dizziness, headaches, loss of coordination. Can enter lungs causing inflammation.
- Skin Contact** Can cause skin irritation. Prolonged contact may cause redness, burning, drying and cracking of skin.
- Eye Contact** Will cause eye irritation. Direct contact with liquid causes stinging, tearing, blurred vision and pain.
- Inhalation** (breathing) High concentrations of vapors or mist has anesthetic effect. Causes nose and throat irritation. Signs of inhalation are headaches, dizziness and loss of coordination.

### Other Effects of Prolonged/Repeated Overexposure

This material has not been identified as a carcinogen by NTP, IARC or OSHA. Prolonged and repeated exposure to vapors or mist in high concentrations may cause damage to peripheral nerve tissue (arms, legs). Overexposure to high concentrations of vapors or mist are anesthetic. Can affect the central nervous system, lungs and kidneys.

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## EMERGENCY AND FIRST AID PROCEDURES

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- Ingestion** (swallowing) DO NOT induce vomiting. Call a physician immediately.
- Skin Contact** Remove contaminated clothing. Wash effected area with soap and water.
- Eye Contact** Flush with water for 15 minutes. If irritation persists, seek medical attention.
- Inhalation** (breathing) Remove person to fresh air to avoid further inhalation.
- Comments** NOTE TO PHYSICIANS: Exposure to high vapor concentrations of this material may be associated with cardiac arrhythmias. Aspiration hazard.

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## SPILL OR RELEASE CONTROL PROCEDURES

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### Steps to be taken in case material is released or spilled

Eliminate all ignition sources. Ventilate area and restrict entry. Wear protective equipment. Keep liquid out of sewer and water ways.

#### Waste Disposal Method

DO NOT incinerate. Dispose of in an approved disposal facility. Under RCRA regulation it is an ignitable hazardous waste.

#### EPA Reportable Quantity (RQ), 40CFR302 (CERCLA104)

N/A

#### EPA Toxic Chemical Release Reporting, 40CFR372(SARA313)

Chemical	CAS NO.	% in Product
Hexane	110-54-3	80-90

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## HANDLING AND STORAGE

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#### Handling and Storage Precautions

Extremely flammable. Keep away from heat, sparks, open flame. Avoid contact with skin and eyes. Use adequate ventilation. Store in cool dry place. DO NOT puncture or incinerate.

#### Other Precautions

KEEP OUT OF REACH OF CHILDREN.

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## PERSONAL PROTECTION - EXPOSURE CONTROL

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#### Ventilation

Explosion proof local exhaust to reduce vapors below TLV limits.

#### Respiratory Protection

Normal use, none required. If vapors exceed TLV limits use a self contained breathing apparatus.

#### Eye Protection

Safety goggles.

#### Protective Gloves

Impervious gloves.

#### Other Protective Clothing or Equipment

None required.

**Work/Hygienic Practices**

Personal cleanliness is always appropriate. Frequent washing minimizes chances of inadvertent exposure.

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**TRANSPORTATION INFORMATION**

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**Department of Transportation (DOT) Classification**

	Flammable Liquid		Corrosive
	Flammable Solid		Non-Flammable Gas
XXX	Flammable Gas		Not Hazardous by DOT
	Combustible Liquid		Other:

**DOT Proper Shipping Name**

Aerosols, flammable

**DOT ID Number**

UN 1950

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**DOCUMENTATION**

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Product Code No.: 63901  
Previous Code No.: 63901

Issue Date: 12-30-05  
Prior Date: 01-26-98

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