



MATERIAL SAFETY DATA SHEET

Wynn's X-Tend Heavy Duty Engine Conditioner (Foamy type)

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 Heavy Duty Engine Conditioner (Foamy type)	10-07-05	36701
CHEMICAL NAME	CAS NUMBER	
NA	NA	

HAZARDOUS INGREDIENTS

COMMON NAME	CHEMICAL NAME	CAS NO.	OSHA PEL	ACGIH TLV-TWA
Butyl Cellosolve	2-Butoxyethanol	111-76-2	50 ppm, skin	20 ppm, skin
Isobutanolamine	Isobutanol-2-amine	124-68-5	None Established	None Established
Sodium heptadecyl sulfate	Sodium heptadecyl sulfate	5910-79-2	None Established	None Established
Aliphatic hydrocarbons	Solvent naptha petroleum, light aliphatic	64742-89-8	None Established	None Established
Propane	Propane	74-98-6	1000 ppm	2500 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).

Boiling Point/Range	-40 to 400°F (-40 to 204°C)	Freeze/Melt Point	N/D
Specific Gravity (H₂O=1) @ 15.6°C	0.95	Vapor Pressure (kg/cm²) @ 70°F	4.7
Vapor Density (Air =1)	4.0	Solubility in Water (%)	Soluble
% Volatiles by Volume	>90	Evaporation Rate (Butyl Acetate = 1)	< 1
pH (as is)	10.8	pH (dilute) @ %	NA
Appearance	Amber liquid	Odor	Solvent

N/D - Not Determined

N/A - Not Applicable

< = Less Than

> = Greater Than

FIRE AND EXPLOSION HAZARD DATA

Flash Point -156°F (-105°C) **Method** TAG Open Cup

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

Lower (LEL) N/D

Upper (UEL) N/D

Hazard Class Identification

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

Extinguishing Media

Carbon dioxide, dry chemicals, foam, water fog.

Special Fire Fighting Procedures

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

Unusual Fire and Explosion Hazards

Exposure to heat and direct sunlight may cause cans to burst. DO NOT spray near open flame.

REACTIVITY DATA

Stability

Stable

Conditions to Avoid

Heat, open flame. Temperatures above 120°F.

Materials to Avoid

Strong oxidizing agents.

Hazardous Decomposition or Combustion Products

Thermal decomposition will produce smoke, oxides of carbon.

Hazardous Polymerization (conditions)

Will not occur.

HEALTH HAZARDS/ROUTES OF ENTRY

Signs, Symptoms and Effects of Overexposure

Ingestion (swallowing) May cause digestive tract irritation. Aspiration hazard if swallowed.

Skin Contact Irritant to skin. Prolonged contact may cause redness, defatting of skin. 2-butoxyethanol may be absorbed through the skin with harmful effects.

Eye Contact Irritant to eyes. May cause redness.

Inhalation (breathing) Irritant to upper respiratory tract. May cause dizziness.

Other Effects of Prolonged/Repeated Overexposure

This product contains chemicals that have been identified as a carcinogen by NTP, IARC or OSHA. Vapors in a confined area in high concentrations are anesthetic. Overexposure may result in light headedness, dizziness, nausea.

Chronic Effect: Long term exposure to high concentrations of vapor may cause lung, liver or kidney damage. 2 Butoxyethanol may cause blood abnormalities and damage to the spleen and testes.

EMERGENCY AND FIRST AID PROCEDURES

Ingestion (swallowing) Do not induce vomiting. Call a physician immediately.

Skin Contact Wash effected area with soap and water. Remove contaminated clothing.

Eye Contact Flush eyes with water for 15 minutes. If irritation persists, call a physician.

Inhalation (breathing) Remove person to fresh air to avoid further vapor inhalation.

SPILL OR RELEASE CONTROL PROCEDURES

Steps to be taken in case material is released or spilled

Remove all sources of ignition. Ventilate area. Remove with absorbent material. Use non-sparking tools. Shovel into waste drum.

Waste Disposal Method

Dispose of in accordance to Federal, State and Local regulations.

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

N/A

EPA Toxic Chemical Release Reporting, 40CFR372(SARA313)

Chemical	CAS NO.	% in Product
Glycol Ether	N/A	1-10

HANDLING AND STORAGE

Handling and Storage Precautions

DANGER: Extremely flammable. Keep away from heat and flame. Contents under pressure. Vapors harmful. Harmful or fatal if swallowed. Avoid exposure to direct sunlight. Store at room temperature. KEEP OUT OF REACH OF CHILDREN.

Other Precautions

DO NOT puncture or incinerate.

PERSONAL PROTECTION - EXPOSURE CONTROL

Ventilation

Provide local exhaust to keep TLV of all hazardous components below acceptable limits.

Respiratory Protection

Normal use none required. Use NIOSH approved respirator if concentrations exceed TLV limits.

Eye Protection

Safety glasses with side shields.

Protective Gloves

Impervious gloves.

Other Protective Clothing or Equipment

Eye wash station is recommended.

Work/Hygienic Practices

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

TRANSPORTATION INFORMATION

Department of Transportation (DOT) Classification

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

DOT Proper Shipping Name

Aerosols

DOT ID Number

UN 1950

Limited Quantities

DOCUMENTATION

Product Code No.: 36701
Previous Code No.: 36701

Issue Date: 10-07-05
Prior Date: 12-11-00

This information is, to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.