



MATERIAL SAFETY DATA SHEET

Wynn's Coolant Bittering Agent

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 Coolant Bittering Agent	09-22-05	18401
CHEMICAL NAME	CAS NUMBER	
N/A	N/A	

HAZARDOUS INGREDIENTS

COMMON NAME	CHEMICAL NAME	CAS NO.	OSHA PEL	ACGIH TLV-TWA
Denatonium Benzoate	Denatonium Benzoate	3734-33-6	None Established	None Established
Ethylene Glycol	1,2-Ethanediol	107-21-1	None Established	39 ppm, Ceiling

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	>350°F. (>177°C.)	Freeze Point	<30°F (<-1°C)
Specific Gravity (H₂O=1) @ 15.6°C	1.024	Vapor Pressure (mm Hg)	<0.1
Vapor Density (Air =1)	>2	Solubility in Water (%)	Miscible
% Volatiles by Volume	N/D	Evaporation Rate (Butyl Acetate = 1)	<1
pH (as is)	6.7	pH (dilute) @ %	N/A
Appearance	Clear liquid	Odor	Slight sweet odor

N/D - Not Determined

N/A - Not Applicable

< = Less Than

> = Greater Than

FIRE AND EXPLOSION HAZARD DATA

Flash Point 232°F(111°C) **Method** Cleveland Open Cup ASTM D-92

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

Lower (LEL) N/D Upper (UEL) N/D

Hazard Class Identification

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

Extinguishing Media

Carbon dioxide, foam, dry chemicals.

Special Fire Fighting Procedures

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

Unusual Fire and Explosion Hazards

Toxic fumes, gases or vapors may evolve on burning.

REACTIVITY DATA

Stability

Stable.

Conditions to Avoid

Heat, fire, sparks and elevated temperatures.

Materials to Avoid

Strong acids. Strong bases. Oxidizing agents.

Hazardous Decomposition or Combustion Products

Thermal decomposition may produce oxides of carbon.

Hazardous Polymerization (conditions)

Will not occur.

HEALTH HAZARDS/ROUTES OF ENTRY

Signs, Symptoms and Effects of Overexposure

- Ingestion** (swallowing) May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
- Skin Contact** May cause skin irritation.
- Eye Contact** May cause eye irritation.
- Inhalation** (breathing) May cause nasal and respiratory irritation.

Other Effects of Prolonged/Repeated Overexposure

This material has not been identified as a carcinogen by NTP, IARC or OSHA.

EMERGENCY AND FIRST AID PROCEDURES

- Ingestion** (swallowing) Do not induce vomiting. Call for medical help.
- Skin Contact** Wash affected area with soap and water.
- Eye Contact** Flush eyes with water for 15 minutes.
- Inhalation** (breathing) If inhaled, provide fresh air. In case of respiratory difficulty, seek medical attention immediately.

Comments

NOTE TO PHYSICIANS:

Treat symptomatically.

SPILL OR RELEASE CONTROL PROCEDURES

Steps to be taken in case material is released or spilled

Absorb spilled liquid with absorbent material, shovel into waste container.

Waste Disposal Method

In accordance with Federal, State and Local regulations.

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

Ethylene Glycol (5000 lbs)

EPA Toxic Chemical Release Reporting, 40CFR372(SARA313)

Chemical	CAS NO.	% in Product
Ethylene Glycol	107-21-1	1-20

HANDLING AND STORAGE

Handling and Storage Precautions

CAUTION: Contains Denatonium Benzoate and Ethylene Glycol. Avoid contact with eyes and skin. Use with adequate ventilation. Store in cool dry place. Use entire content.

Other Precautions

KEEP OUT OF REACH OF CHILDREN.

PERSONAL PROTECTION - EXPOSURE CONTROL

Ventilation

Use with adequate ventilation.

Respiratory Protection

None required.

Eye Protection

Use Safety glasses.

Protective Gloves

Use chemical impervious gloves.

Other Protective Clothing or Equipment

None.

Work/Hygienic Practices

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

TRANSPORTATION INFORMATION

Department of Transportation (DOT) Classification

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

DOT Proper Shipping Name

N/A

DOT ID Number

N/A

DOT Packing Group

N/A

DOCUMENTATION

Product Code No.: 18401
Previous Code No.: 18401

Issue Date: 09-22-05
Prior Date: 05-18-04

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