



MATERIAL SAFETY DATA SHEET

Wynn's Battery Cleaner

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 Battery Cleaner	08-16-05	11701, 11705
CHEMICAL NAME	CAS NUMBER	
N/A	N/A	

HAZARDOUS INGREDIENTS

COMMON NAME	CHEMICAL NAME	CAS NO.	OSHA PEL	ACGIH TLV-TWA
Triethanolamine	Trihydroxytriethylamine	102-71-6	None Established	5 mg/m ³
Caustic Soda	Sodium Hydroxide	1310-73-2	2 mg/m ³	2 mg/m ³

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	212°F(100°C)	Freeze Point	N/A
Specific Gravity (H₂O=1) @ 15.6°C	1.007	Vapor Pressure (mm Hg)	N/D
Vapor Density (Air =1)	N/D	Solubility in Water (%)	Soluble
% Volatiles by Volume	N/D	Evaporation Rate (Butyl Acetate = 1)	N/D
pH (as is)	9-10	pH (dilute) @ 5%	N/D
Appearance	Clear Liquid	Odor	Mild

N/D - Not Determined

N/A - Not Applicable

< = Less Than

> = Greater Than

FIRE AND EXPLOSION HAZARD DATA

Flash Point None °F(°C) **Method** NA

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

Lower (LEL) NA Upper (UEL) NA

Hazard Class Identification

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

Extinguishing Media

Non-flammable. If involved in fire, use water, water spray, foam, dry chemicals.

Special Fire Fighting Procedures

Use water to cool containers exposed to fire. Fire fighters should always use protective clothing and self-contained breathing apparatus if organic material is involved in fire.

Unusual Fire and Explosion Hazards

None

REACTIVITY DATA

Stability

Stable

Conditions to Avoid

Avoid contact with nitrites. See handling and storage section.

Materials to Avoid

Strong acids, oxidizing materials.

Hazardous Decomposition or Combustion Products

Thermal decomposition may produce oxides of carbon and nitrogen.

Hazardous Polymerization (conditions)

Polymerization will not occur.

HEALTH HAZARDS/ROUTES OF ENTRY

Signs, Symptoms and Effects of Overexposure

Ingestion (swallowing) Do not swallow. Swallowing may cause irritation to mouth, throat and stomach.

Skin Contact May cause mild local irritation depending on the duration of contact.

Eye Contact May cause moderate irritation, discomfort. Signs and symptoms include redness, stinging, blurred vision.

Inhalation (breathing) Prolonged exposure may cause slight irritation to the respiratory tract.

Other Effects of Prolonged/Repeated Overexposure

This material has not been identified as a carcinogen by NTP, IARC or OSHA. Prolonged exposure to vapors generated only at elevated temperatures can cause respiratory discomfort, irritation, nausea. Prolonged contact with skin can cause irritation, defatting of skin, redness. Repeated overexposure may aggravate pre-existing skin and respiratory disorders.

EMERGENCY AND FIRST AID PROCEDURES

Ingestion (swallowing) DO NOT induce vomiting. Call for medical help.

Skin Contact Wash affected area with soap and water. If irritation persists, call for medical help.

Eye Contact Flush with water for 15 minutes. If irritation persists, call for medical help.

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

SPILL OR RELEASE CONTROL PROCEDURES

Steps to be taken in case material is released or spilled

Contain spilled liquid with inert absorbent. Collect in suitable container for disposal.

Waste Disposal Method

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

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

NA

EPA Toxic Chemical Release Reporting, 40CFR372(SARA313)

Chemical

CAS NO.

% in Product

N/A

N/A

N/A

HANDLING AND STORAGE

Handling and Storage Precautions

CAUTION: May cause skin irritation. Avoid contact with skin and eyes. Store in cool dry place. Keep containers closed. Do not freeze product. WARNING: Avoid contact with nitrites. Tertiary amines may react with nitrites to form nitrosamines which are known carcinogens. For industrial use only.

Other Precautions

None

PERSONAL PROTECTION - EXPOSURE CONTROL

Ventilation

Local or general exhaust is recommended to maintain the exposure level below the TLV/PEL values.

Respiratory Protection

None required in normal use. If vapors exceed TLV/PEL values, use a NIOSH approved respirator.

Eye Protection

Standard safety glasses with side shield.

Protective Gloves

Chemical-resistant gloves.

Other Protective Clothing or Equipment

Eye wash station.

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
	Flammable Gas	X	Not Hazardous by DOT Regulations
	Combustible Liquid		Other:

DOT Proper Shipping Name

N/A

DOT ID Number

N/A

DOCUMENTATION

Product Code No.: 11701, 11705
Previous Code No.: 11701, 11705

Issue Date: 08-16-05
Prior Date: 05-12-03

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