



MATERIAL SAFETY DATA SHEET

Wynn's E.P. Multi-Purpose Grease No. 2

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 NAME
Wynn's E.P. Multi-Purpose Grease No.2	11-08-05	50901, 50902, 50904
CHEMICAL NAME	CAS NUMBER	
Lithium Based Petroleum Grease	N/A	

HAZARDOUS INGREDIENTS

COMMON NAME	CHEMICAL NAME	CAS NO.	OSHA PEL	ACGIH TLV-TWA
Petroleum Oil	Solvent-refined naphthenic distillate	64741-96-4	5 mg/m ³ as mist	5 mg/m ³ as mist
Lithium Soap	Octadecenoic acid, 12-hydroxy-,monolithium salt	7620-77-1	Not Established	Not Established
Zinc Dialkyldithiophosphate	Zinc Dialkyldithiophosphate	68649-42-3	Not Established	Not Established

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	>600°F(>316°C)	Freeze Point	N/D °F(°C)
Specific Gravity (H₂O=1) @ 15.6°C	0.90-1.00	Vapor Pressure (mm Hg)	N/D
Vapor Density (Air =1)	Heavier than air	Solubility in Water (%)	>0.1%
% Volatiles by Volume	Negligible	Evaporation Rate (Butyl Acetate = 1)	N/D
pH (as is)	N/A	pH (dilute) @ %	N/A
Appearance	Red colored solid grease	Odor	Hydrocarbon

N/D - Not Determined

N/A - Not Applicable

< = Less Than

> = Greater Than

FIRE AND EXPLOSION HAZARD DATA

Flash Point >400°F(>204°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 1		Reactivity 0	1 - Slight
	Other --		2 - Moderate
			3 - High
			4 - Extreme

Extinguishing Media

Carbon dioxide, dry chemicals, foam, water spray.

Special Fire Fighting Procedures

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

Unusual Fire and Explosion Hazards

None indicated.

REACTIVITY DATA

Stability

Stable.

Conditions to Avoid

Elevated temperatures.

Materials to Avoid

Strong oxidizing agents.

Hazardous Decomposition or Combustion Products

Thermal decomposition may produce carbon dioxide, carbon monoxide, oxides of sulfur, phosphorus, zinc.

Hazardous Polymerization (conditions)

Will not occur.

HEALTH HAZARDS/ROUTES OF ENTRY

Signs, Symptoms and Effects of Overexposure

Ingestion (swallowing) Accidental swallowing can cause irritation to the stomach and intestinal tract.

Skin Contact May cause skin irritation as a result of prolonged contact.

Eye Contact May cause irritation due to direct contact.

Inhalation (breathing) Exposure to oil, mist or fumes generated when heating this material may cause irritation to the nose, throat and upper respiratory tract.

Other Effects of Prolonged/Repeated Overexposure

This material has not been identified as a carcinogen by NTP, IARC or OSHA.
Prolonged or repeated contact may cause skin and eye irritation.

EMERGENCY AND FIRST AID PROCEDURES

Ingestion (swallowing) Give 2-3 cups of water to conscious person. Call a physician immediately.

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

Eye Contact Flush eyes for 15 minutes. If irritation develops, call a physician.

Inhalation (breathing) Remove person to fresh air.

Comments NOTE TO PHYSICIANS: This material is a complex solid mixture with a low order of acute toxicity.

SPILL OR RELEASE CONTROL PROCEDURES

Steps to be taken in case material is released or spilled

Remove with absorbent material. Shovel into waste containers. Prevent entry to sewers or surface waters.

Waste Disposal Method

Dispose of in accordance with 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
Zinc Compound	N/A	0.149% as zinc

HANDLING AND STORAGE

Handling and Storage Precautions

CAUTION: Contains petroleum oil. Avoid skin and eye contact. Store in a cool dry place.

Other Precautions

For industrial use only.

PERSONAL PROTECTION - EXPOSURE CONTROL

Ventilation

Normal use, none required.

Respiratory Protection

Normal use, none required.

Eye Protection

Safety glasses.

Protective Gloves

Oil resistant gloves. Barrier creams specific for petroleum-based materials may be used when gloves are impractical.

Other Protective Clothing or Equipment

None special.

Work/Hygienic Practices

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

TRANSPORTATION INFORMATION

Department of Transportation (DOT) Classification

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

DOT Proper Shipping Name

N/A

DOT ID Number

N/A

DOCUMENTATION

Product Code No.: 50901, 50902, 50904
Previous Code No.: 50901, 50902, 50903, 50904

Issue Date: 11-08-05
Prior Date: 11-03-97

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.