



**PETROCHEM, INC.**

**SPECIALTY LUBRICANTS**

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## MATERIAL SAFETY DATA SHEET

### OPTI-LUBE 220

HIGH TEMPERATURE PERFORMANCE  
SYNTHETIC OVEN CHAIN LUBRICANT

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: OPTI-LUBE 220  
 Synonym(s): High Temperature Chain Lubricant, Synthetic Polyol Ester (POE)  
 Manufactured / Supplied by: PETROCHEM, INC., St. Charles, IL 60175  
 Tel: 630-513-6360  
 Fax: 630-513-8324  
 For Emergency Information contact: Chemtrec - 1-800-424-9300  
 For Non-Emergency Information contact: 1-800-521-9891  
 Formula: N/A  
 Date Prepared: 09/23/2009

#### 2. INFORMATION ON INGREDIENTS

Chemical Name	CAS	Weight %
Synthetic Polyol Ester Fluid and Additives	Proprietary	100

#### 3. HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

No unusual safety, fire, or spill hazards.

##### Effects From Acute Exposure

Ingestion: None known  
 Skin contact: May cause mild skin irritation.  
 Inhalation: None known.  
 Eye contact: May cause mild eye irritation.

Aggravated Medical Conditions: None known.

Subchronic (Target Organ) Effects: None known.

Chronic effects / Carcinogenicity: Not listed in IARC, NTP or 29CFR.

Products / Ingredients: The ingredients that are carcinogens are listed here, with specific information about their carcinogenicity. None

Principle Routes of Exposure: Oral. Dermal - skin. Eyes.

Other: None known.

#### 4. FIRST AID MEASURES

Ingestion: If swallowed, observe victim for 24 hours; seek medical attention if indicated. If vomiting occurs, keep head lower than hips to prevent aspiration.

Skin: For skin contact, wipe away excess material with dry towel. Then wash affected areas with plenty of water, and mild soap if available, for several minutes. Get medical attention if irritation occurs.

Inhalation: If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Notes to Physician: Treatment based on sound judgment of physician and individual reactions of patient.

## 5. FIRE FIGHTING MEASURES

Flash Point: > 326°C (620°F)

Method: COC

Flammable Limits in Air - Upper (%): Maximum % by volume of vapor in air above which propagation of flame does not occur on contact with a source of ignition: N/D

Sensitivity to Mechanical Impact (Y/N): NO

Sensitivity to Static Discharge (Y/N): Sensitivity to static discharge is not expected.

Extinguishing Media: Water fog, carbon dioxide, foam, dry chemical

Special Firefighting Procedures: Containers can build up pressure if exposed to heat (fire). Fire involving large amounts of material should not be approached because individual containers may rupture abruptly causing "fireball" effect. Firefighters should wear self contained breathing apparatus and full protective clothing when fighting chemical fires. Use water spray to cool nearby containers and structures exposed to fire.

## 6. ACCIDENTAL RELEASE MEASURES

Action to be taken if material is released or spilled:

Wipe, scrape or soak up in an inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the protective equipment section. Large quantity spills should be contained and pumped into drums for recovery or disposal.

## 7. HANDLING AND STORAGE

Precautions to be taken in handling and storage:

Keep container closed when not in use. Good hygienic practices should be observed. Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded with material.

NFPA		HMIS	
Health	1	Health	1
Flammability	1	Flammability	1
Reactivity	0	Reactivity	0
Other	N/A	Other	

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

None required under normal conditions.

Personal Protection Equipment

Respiratory Protection:

None required under normal conditions.

Protective Gloves:

Use gloves as a standard industrial handling procedure.

Eye and Face Protection:

Wear safety glasses or goggles to protect against exposure.

Other Protective Equipment:

None Required

Ventilation:

No unusual ventilation required.

Exposure Limits

Chemical Name	CAS	ACGIH TLV- TWA	ACGIH TLV- STEL	OSHA PEL-TWA	OSHA PEL- STEL	Units
Polyol Ester and Additives	Proprietary	None	None	None	None	ppm

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:

N/A

Vapor Pressure:

N/D

Vapor Density (Air = 1):

N/D

Freezing Point:

N/D

Melting Point:

< -20 °C

Physical State:

Liquid

Odor:

MILD

Color:

Clear, Yellow- Amber

Odor Threshold (ppm):

N/A

Evaporation Rate (Butyl acetate = 1):

N/A

Pounds / Gallon (Water = 8.3):

8.14/lbs. @ 25 C

Density @ 25°C (Water = 1):

0.98 @ 25 C

Acid / Alkalinity (MEQ/G):

N/D

pH:

N/D

VOC (EPA Meth.24) (g/L):

N/D

Solubility in Water (20 °C): INSOLUBLE  
Solubility in Organic Solvents: N/D  
Viscosity: 220 to 245 cSt @ 40 °C

#### 10. STABILITY AND REACTIVITY

Stability:  
Conditions to Avoid: Keep away from sources of ignition and naked flames.  
Dangerous Decomposition Products: Carbon dioxide, nitrogen oxides, phosphorus oxides  
Decomposition advices: No decomposition if used according to specifications.

Reactivity:  
Material to Avoid: Strong Acids, Strong Alkalies, Strong Oxidizers  
Hazardous Polymerization: Will not occur

#### 11. TOXICOLOGICAL INFORMATION

Ingestion: N/A  
Skin Contact: N/A  
Eye Contact: N/A  
Sensitization: N/A

#### 12. ECOLOGICAL INFORMATION

Ecotoxicological Information: No data at this time  
Chemical Fate Information: No data at this time.

#### 13. DISPOSAL CONSIDERATIONS

Disposal Method: As local regulations may vary; all waste must be disposed/recycled/ reclaimed in accordance with federal, state, and local environmental control regulations.

#### 14. TRANSPORT INFORMATION

**General Information:** Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR, CFR and TDG.

**The transportation information provided represents the regulatory transport classification of the product without consideration to packaging, quantity, or modal restrictions and exceptions. It is the user's responsibility to determine the appropriate packaging and modal requirements and/or limitations for the product quantity being shipped.**

#### 15. REGULATORY INFORMATION

##### National Regulatory Status

##### **NON-REGULATED PRODUCT**

TSCA Inventory Status: All components of this product are either included on or exempt from the TSCA Inventory of Chemical Substance.

SARA Section 302: None Found

SARA (311, 312) Hazard Class: NONE

SARA (313) Chemicals: THIS PRODUCT DOES NOT CONTAIN A TOXIC CHEMICAL FOR ROUTINE ANNUAL 'TOXIC CHEMICAL RELEASE REPORTING' UNDER SECTION 313 (40 CFR 372)

CERCLA Hazardous Substance: Not listed on Extremely Hazardous Substance

CERCLA Reportable Quantity: No listed reportable quantity

California Proposition 65: NONE

NO CARCINOGENS FOUND

HEALTH HAZARD	FIRE HAZARD
4 - Deadly	4 - Below 73°F
3 - Extreme Danger	3 - Below 100°F
2 - Hazardous	2 - Below 200°F
1 - Slightly Hazardous	1 - Above 200°F
0 - Normal Material	0 - Will Not Burn

SPECIFIC HAZARD	REACTIVITY
OXY - Oxidizer	4 - May Detonate
ACID - Acid	3 - Shock or Heat May Detonate
ALK - Alkali	2 - Violent Chemical Reaction
COR - Corrosive	1 - Unstable if Heated
W - Use No Water	0 - Stable
RAD - Radiation Hazard	

NFPA Rating US	Value
Health	1
Fire	1
Reactivity	0
Special Hazard	

HMIS Rating US	Value
Health	1
Flammability	1
Reactivity	0

**16. OTHER INFORMATION**

OR ADDITIONAL INFORMATION CONTACT:

**Petrochem, Inc.**  
**6N999 Whispering Trail Road • St. Charles, IL 60175**  
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