



# Safety Data Sheet

---

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Dyna-Plex 21C Synzol Food Grade ISO 150, 220, 320, 460, 680

Synthetic Food Grade Gear/Bearing Oil

Gear/Bearing Oil

Product Code: 14597

PetroChoice, Inc.

1009 Schieffelin Rd.

Apex, North Carolina 27502

Website: [www.petrochoice.com](http://www.petrochoice.com)

1-800-545-1257 Supplier General Contact Number

1-800-633-8253 US, Canada, Puerto Rico, Virgin Island - Emergency telephone (PERS)

---

## 2. HAZARDS IDENTIFICATION

### OSHA/HCS Status:

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122). Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

**Physical Hazards:** Not classified

**Health Hazards:** Not classified

**Environmental Hazards:** Not classified

**Signal Word:** No signal word

**Hazard Statement:** No known significant effects or critical hazards

**GHS Symbol:** *No Symbol*

## Precautionary Statements

<b>General:</b>	Read label before use. Keep out of reach of children. If medical advice is needed, have product information at hand.
<b>Prevention:</b>	Not applicable
<b>Response:</b>	Not applicable
<b>Storage:</b>	Not applicable
<b>Disposal:</b>	Not applicable

---

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product contains no substances, which at their given concentration, are hazardous to health.

---

## 4. FIRST AID MEASURES

### Eyes

Immediately flush eyes with large amounts of fresh water and continue flushing until irritation subsides. Remove contact lenses, if present, and easy to do. Continue rinsing. Seek medical attention if irritation develops.

### Inhalation

If breathing difficulty exists, remove individual away from exposure and into fresh air. Seek medical attention.

### Skin

Remove contaminated clothing. Wash contaminated area repeatedly with soap and water. Seek medical attention if irritation develops.

### Ingestion

Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### Skin Injection

If product is injected into or under skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

---

## 5. FIREFIGHTING MEASURES

### **Suitable extinguishing media**

Use dry chemical, foam, carbon dioxide (CO<sub>2</sub>) or water spray mist or foam.

### **Unsuitable extinguishing media**

Do not direct a solid stream of water or foam into hot, burning pools of oil liquid since this may spread fire.

### **Specific hazards from combustion**

Carbon monoxide, carbon dioxide, aldehydes, hydrocarbons, oxides of sulfur, nitrogen, phosphorus and other oxides may be products of combustion.

### **Special protective equipment for fire-fighters**

Wear full firefighting turn-out gear (full bunker gear), and respiratory protection (SCBA).

### **Firefighting instructions**

Cool fire exposed containers with water spray and avoid spreading burning material with water used for cooling purposes.

---

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions and Protective equipment**

Personal Protection, see section 8. Evacuate surrounding area. Keep unnecessary personnel from entering. Any individual not wearing protective equipment should not enter spill or contaminated area until all clean-up has been completed.

### **Emergency procedures**

For personal emergency procedures see section 4. For fire emergency procedures see section 5. Contain spilled oil liquid if possible without posing any risk or personal injury.

### **Environmental precautions**

Prevent spreading over a wide area. Contain spill immediately. Contact appropriate authorities of spill. Do not allow spill to enter sewer system, drains of any kind, surface water or water courses. Avoid flushing to such areas as well.

### **Methods and materials for containment and cleaning up**

Soak up or absorb with appropriate inert materials such as, sand, clay, silica gel, acid binder, universal binder, sawdust, paper fiber etc. Large spills may be picked up using vacuum pumps, shovels, buckets or other means of transfer and placed into drums or any other approved and suitable containers.

---

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### Conditions for safe storage

Store in only approved and marked containers. Keep containers closed when not in use and during transportation. Keep containers away from flame or other ignition sources.

#### Incompatibilities

Strong oxidizing agents, acids, halogens.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Contains mineral oil, vegetable oil, and/or synthetic oil.

#### OSHA Final: (PEL)

5 mg/m<sup>3</sup> suggested for oil mist

#### American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV)

10 mg/m<sup>3</sup> suggested for oil mist

### Respiratory protection

If vapor mist is generated when the material is heated or handled, use approved respiratory protection. All respirators must be NIOSH certified. Fit testing may be required before use. Do not use compressed oxygen in hydrocarbon atmospheres. Adequate ventilation in accordance with good engineering practices must be provided to maintain concentrations below the specified exposure or flammable limits.

### Hand protection

For prolonged or repeated exposures hand protection is required. Wear chemical resistant gloves suitable for the product, contact your safety department or supplier to determine the proper hand protection.

### Eye protection

Not required under normal conditions of use. If material is handled such that it could be splashed or misted into eyes, wear plastic face shield or splash resistant safety goggles or glasses with side shields.

### Skin and body protection

For prolonged or repeated exposures, use impervious clothing (boots, gloves, aprons, bibs, etc.) over parts of the body subject to exposure. Contact your facility safety department or safety supplier to determine the proper protective equipment for your use.

### Hygiene measures

Thoroughly wash contaminated areas of the body which may have been exposed with soap and water. Do not use contaminated clothing, launder clothing before reuse. Properly dispose of contaminated clothing or articles that cannot be laundered such as leather gloves, boots, etc. Wash thoroughly before handling food and beverages. Food and beverage consumption should be avoided in work areas where hydrocarbons are present.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Oil

**Physical state:** Liquid

**Odor:** Mild

**Odor threshold:** No data available

**Color:** Clear

**Specific gravity (H<sub>2</sub>O=1):** <1.0

**Partition coefficient:** No data available

**Melting point/freezing point:** No data available

**Initial boiling point and boiling range:** >315°C, (600°F)

**Flash point (Cleveland Open Cup):** >260°C, (500°F)

**Autoignition temperature:** No data available

**Decomposition temperature:** No data available

**Upper/lower flammability or explosive limits:** No data available

**Vapor pressure:** No data available

**Vapor density:** No data available

**Liquid density:** Not determined

**Density:** No data available

**Bulk density:** No data available

**Solubility in other solvents:** No data available

**Solubility in water:** Negligible

**Kinematic viscosity:** Approximately 150 cSt @ 40°C

**Dynamic viscosity:** No data available

**Percent volatile:** Negligible

---

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not applicable

**Chemical stability:** Stable under recommended storage conditions.

**Possibility of hazardous reactions:** None under normal processing.

**Hazardous polymerization:** Hazardous polymerization does not occur.

**Conditions to avoid:** No special storage conditions required.

**Incompatible materials:** Strong oxidizing agents.

**Hazardous decomposition products:** Thermal decomposition can lead to release of irritating gases and vapors.

---

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Eye contact:** May cause redness, itchiness

**Skin contact:** Substance does not generally irritate.

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

### Information on toxicological effects

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization:** No sensitization responses were observed.

**Mutagenic effects:** Did not show mutagenic or teratogenic effects in animal experiments.

**Carcinogenicity:** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP

**Reproductive toxicity:** This product does not contain any known or suspected reproductive hazards.

**STOT – Single Exposure:** None under normal use conditions

**STOT – Repeated Exposure:** None under normal use conditions

**Aspiration hazard:** Not applicable

### Numerical measures of toxicity – Product information

---

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Harmful to aquatic life with long lasting effects

<0.001% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Persistence and degradability:** Readily biodegradable, according to appropriate OECD test.

**Bioaccumulation:** No data available

**Mobility:** The product is insoluble and floats on water

---

## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal methods

All disposals must comply with federal, state and local regulations. Spilled or discarded material may be a regulated waste. Refer to state and local regulations. If other material was used during cleanup efforts the resultant mixture may be regulated.

### Contaminated packaging

Do not reuse container.

### Empty Containers

Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed.

---

## 14. TRANSPORT INFORMATION

<b>U.S. DOT Road/Rail/Waterways:</b>	Not dangerous/hazardous goods
<b>Transport Canada Road/Rail/Waterways:</b>	Not dangerous/hazardous goods

---

## 15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

### International Inventories

<b>EINECS/ELINCS</b>	This product complies with EINECS/ELINCS
<b>DSL</b>	All components listed
<b>TSCA</b>	All components listed
<b>China</b>	This product complies with China IECSC
<b>KECL</b>	This product complies with Korea KECL
<b>PICCS</b>	This product complies with Philippines PICCS
<b>AICS</b>	All the constituents of this material are listed on the Australian AICS

### Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA Hazard Categories (311/312)

No SARA 311/312 hazards

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### State Regulatory Status (RTK)

#### California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**U.S. State RTK Regulations:** Not applicable

**U.S. EPA Label Information:** Not applicable

**EPA Pesticide Registration Number:** Not applicable

**NFPA Hazard Classification**

Health: 1  
Flammability: 1  
Reactivity: 0

**HMIS Classification**

Health: 1  
Flammability: 1  
Physical Hazards: 0  
Personal Protection: B



<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>B</b>

---

**16. OTHER INFORMATION**

The information and recommendations contained within this document are believed by PetroChoice to be accurate and reliable as of the date prepared. The information and recommendations are offered for the user's consideration and analysis and in no way guarantee the chemical specifications for the specified product. It is solely the responsibility of the user to determine safe conditions for use of this product and to assume liability for any loss, damage or expense arising out of the product's improper use. The user should consider the information in this document in the context of how the selected product will be handled and used in conjunction with other products. It is the user's responsibility to determine that the product is suitable for the intended use.

Appropriate warnings and safe-handling procedures should be provided to all handlers and users. PetroChoice assumes no responsibility for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices within this document.

Rev. Date: 6/15/2017