1. PRODUCT AND COMPANY IDENTIFICATION

Dyna-Plex 21C Synzol LC 460
Synthetic based lubricating grease
Heavy Duty Multipurpose
Product Code: 0019

PetroChoice, Inc.
1009 Schieffelin Road
 Apex, North Carolina 27502
Website: 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 considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

GHS Label Elements
Hazard Pictogram:

Signal Word:  WARNING
Precautionary Statements

Prevention: Wash face, hands and any exposed skin thoroughly after handling. Wear eye/face protection.

Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin: IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Storage: Not applicable

Disposal: Not applicable

Hazards Not Otherwise Classified (HNOC)

Other information: May be harmful if swallowed. Harmful to aquatic life with long lasting effects

Unknown Acute Toxicity: 18.6709% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Alkyldithiophosphate</td>
<td>4259-15-8</td>
<td>1-2.5</td>
<td>*</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Skin Contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Inhalation

In the case of inhalation of aerosol/mist consult a physician if necessary.

Ingestion

Do not induce vomiting without medical advice. Call a physician immediately.

Most important symptoms and effects, both acute and delayed

Symptoms: No information available

Indication of any immediate medical attention and special treatment needed
5. **FIREFIGHTING MEASURES**

**Suitable extinguishing media**
- Water spray mist or foam. Dry powder. Carbon dioxide (CO₂)

**Unsuitable extinguishing media**
- Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical**
- Water may be used to cool closed containers.

**Explosion Data**
- Sensitivity to Mechanical Impact: None
- Sensitivity to Static Discharge: None

**Special protective equipment and precautions for firefighters**
- As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. **ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**
- **Personal precautions**: Use personal protective equipment. Avoid contact with skin and eyes

**Environmental precautions**
- **Environmental precautions**: Should not be released into the environment. Do not let product enter drains.

**Methods and material for containment and cleaning up**
- **Methods for containment**: Prevent further leakage or spillage if safe to do so.
- **Methods for cleaning up**: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container

7. **HANDLING AND STORAGE**

**Precautions for safe handling**
- **Handling**: Handle in accordance with good industrial hygiene and safety practice. Spilling onto the container’s outside will make container slippery. Avoid contact with eyes and skin.

**Conditions for safe storage, including any incompatibilities**
- **Storage Conditions**: Keep containers dry and tightly closed to avoid moisture absorption and contamination
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines: Contains mineral oil, vegetable oil, and/or synthetic oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg/m³, ACGIH STEL of 10 mg/m³

Appropriate engineering controls

   Engineering measures to reduce exposure: Ensure adequate ventilation, especially in confined areas

Individual protection measures, such as personal protective equipment

   Respiratory Protection: In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
   Hand Protection: Nitrile rubber
   Skin and Body Protection: Usual safety precautions while handling the product will provide adequate protection against this potential effect
   General Hygiene Considerations: Avoid contact with skin, eyes and clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

   Appearance: Paste
   Physical state: Liquid
   Odor: Mild
   Color: Beige
   Odor threshold: No information available
   pH: Not applicable
   Melting point/Freezing point: No information available
   Boiling point/boiling range: No information available
   Flash point: No information available
   Flammability (solid, gas): No information available
   Upper Flammability Limit: Vapor pressure, No information available
   Lower Flammability Limit: Vapor density, No information available
   Evaporation rate: No information available
   Flammability Limit in air: No information available
   Specific gravity: 0.89
   Water solubility: Insoluble in water
   Solubility in other solvents: No information available
   Partition Coefficient: No information available
10. STABILITY AND REACTIVITY

Reactivity: Not applicable

Chemical stability: Stable under normal 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: Incomplete combustion may produce small amounts of carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Product information: Product does not present an acute toxicity hazard based on known or supplied information

Inhalation: Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

Eye contact: Irritating to eyes.

Skin contact: Substance may cause slight skin irritation.

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Alkylthiophosphate-4259-15-8</td>
<td>= 3100 mg/kg (Rat)</td>
<td>&gt;5000 mg/kg (rabbit)</td>
<td>-</td>
</tr>
</tbody>
</table>
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

Unknown Acute Toxicity: 18.6709% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document:

ATEmix (oral): 2853 mg/kg
ATEmix (dermal): 15624 mg/kg
ATEmix (inhalation-vapor) 37875 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity: Harmful to aquatic life with long lasting effects

21.5909% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Zinc Alkyldithiophosphate - 4259-15-8

<table>
<thead>
<tr>
<th>Algae/aquatic plants</th>
<th>1.0 - 5.0: 96 h Pseudokirchneriella subcapitata mg/L EC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fish</td>
<td>1.0 - 5.0: 96 h Pimephales promelas mg/L LC50 static 10.0 - 35.0: 96 h Pimephales promelas mg/L LC50 semi-static</td>
</tr>
<tr>
<td>Crustacea</td>
<td>1 - 1.5: 48 h Daphnia magna mg/L EC50</td>
</tr>
</tbody>
</table>

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility: The product is insoluble and floats on water.

<table>
<thead>
<tr>
<th>Components</th>
<th>Partition coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Alkyldithiophosphate - 4259-15-8</td>
<td>2.86</td>
</tr>
</tbody>
</table>

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of wastes: Dispose of in accordance with federal, state, and local regulations

Contaminated packaging: Do not reuse container.
14. TRANSPORT INFORMATION

DOT: Not Regulated by any means of transportation

15. REGULATORY INFORMATION

International Inventories
TSCA: Listed in TSCA
DSL: All of the components in this product are listed in DSL
EINECS/ELINCS: This product does not comply with EINECS/ELINCS
China: This product complies with China IECSC.
KECL: This product does not comply with Korea KECL.
PICCS: This product complies with Philippines PICCS.
AICS: 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.

<table>
<thead>
<tr>
<th>Component</th>
<th>SARA 313 Threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Alkyldithiophosphate - 4259-15-8</td>
<td>Zinc Compounds (1%)</td>
</tr>
</tbody>
</table>

SARA Hazard Categories (311/312)

Acute Health Hazard: Yes
Chronic Health Hazard: No
Fire Hazard: No
Sudden Release of Pressure Hazard: No
Reactive Hazard: No

CWA (Clean Water Act)

This product contains the following substances which are regulated 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

U.S. State Regulations (RTK)

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

This product does not contain any Proposition 65 chemicals.
U.S. State RTK Regulations:

<table>
<thead>
<tr>
<th>Components</th>
<th>NJRTK</th>
<th>MARTK</th>
<th>PARTK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Alkyldithiophosphate-4259-15-8</td>
<td>Substance no. 3012 Listed</td>
<td>Not Listed</td>
<td>Listed</td>
</tr>
</tbody>
</table>

U.S. EPA Label Information

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

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: 04/02/2018