



# Safety Data Sheet

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## 1. PRODUCT AND COMPANY IDENTIFICATION

### Dyna-Plex 21C HI-TAC NLGI #2

Grease  
Heavy Duty Petroleum Lubricant  
Product Code: G900

Universal Lubricants, A PetroChoice Company  
2824 N Ohio Street  
Wichita, Kansas 67219  
Website: [www.petrochoice.com](http://www.petrochoice.com)

1-800-444-6457 Telephone  
1-316-832-3627 Product Information telephone  
1-800-633-8253 US, Canada, Puerto Rico, Virgin Island - Emergency telephone (PERS)  
+1-801-629-0667 International / Maritime Emergency telephone (PERS)

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## 2. HAZARDS IDENTIFICATION

### OSHA/HCS Status:

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of this product.

<b>Physical Hazards:</b>	Not classified
<b>Health Hazards:</b>	Not Classified
<b>Environmental Hazards:</b>	Not classified
<b>Signal Word:</b>	No signal word
<b>Hazard Statement:</b>	No known significant effects or critical hazards
<b>GHS Symbol:</b>	<i>No Symbol</i>

## 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

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms:** Heavy Duty Petroleum Lubricant, Grease

**Formula:** Mixture

**Molecular Weight:** Variable

Component	CAS Number	Concentration %
Base Lubricating Oils Mixture		80-90
Additive Package	Trade Secret	10-20

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## 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.

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## 5. FIREFIGHTING MEASURES

### **Suitable extinguishing media**

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

### **Unsuitable extinguishing media**

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

### **Specific hazards from combustion**

Carbon monoxide, carbon dioxide and other oxides may be generated as 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.

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## 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 place into drums or any other approved and suitable containers.

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## 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

May react strong with oxidizing agents, such as hydrogen peroxide, bromine, and chromic acid.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limits

Ingredient name	Exposure limits
Antimony dialkyldithiocarbamate Registry number: NJTSR 800983-5015P	<b>ACGIH TLV (United States, 6/2013).</b> TWA: 0.5 mg/m <sup>3</sup> , (as Sb) 8 hours. <b>OSHA PEL (United States, 2/2013).</b> TWA: 0.5 mg/m <sup>3</sup> , (as Sb) 8 hours. <b>NIOSH REL (United States, 4/2013).</b> TWA: 0.5 mg/m <sup>3</sup> , (as Sb) 10 hours.

### 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

If handling hot material, use proper insulated gloves.

### 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

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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Buttery, red

**Physical state:** Solid

**Odor:** Mineral oil

**Specific gravity (H<sub>2</sub>O=1):** 0.9110

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

**Initial boiling point and boiling range:** No data available

**Flash point (Cleveland Open Cup):** 160°C, (320°F)

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

**Vapor pressure:** No data available

**Solubility in water:** Negligible @25°C

**Percent volatile:** No data available

**Vapor density (air=1):** No data available

**Evaporation rate:** No data available

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## 10. STABILITY AND REACTIVITY

**Reactivity:** No data available

**Chemical stability:** Stable under normal temperatures and pressures.

**Possibility of hazardous reactions:** Product will not undergo hazardous polymerization.

**Conditions to avoid:** Heat, open flames, oxidizing materials and mist.

**Incompatible materials:** Strong oxidizing agents.

**Hazardous decomposition products:** Carbon monoxide, carbon dioxide and other oxides may be generated as products of combustion.

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## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:**

Product/ingredient name	Result	Species	Dose	Exposure
Antimony dialkyldithiocarbamate	LD50 Dermal LD50 Oral	Rabbit Rat	16000 mg/kg 16400 mg/kg	- -

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## 12. ECOLOGICAL INFORMATION

**Toxicity:** There is no data available.

**Persistence and degradability:** There is no data available.

**Bioaccumulative potential:** There is no data available.

**Mobility in soil:**

**Soil/water partition Coefficient ( $K_{oc}$ ):** Not available.

**Other adverse effects:** No known significant effects or critical hazards.

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## 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.

### Empty Containers

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

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## 14. TRANSPORT INFORMATION

**U.S. DOT Road/Rail/Waterways:** Not dangerous/hazardous goods

**Transport Canada Road/Rail/Waterways:** Not dangerous/hazardous goods

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## 15. REGULATORY INFORMATION

**U.S. Federal regulations:**

**TSCA 8(a) PAIR:** Zinc Alkyldithiophosphate  
**TSCA 8(a) CDR Exempt/Partial exemption:** Not determined

**United States Inventory (TSCA 8b):**  
Not determined

**Clean Water Act (CWA) 307:** Antimony dialkyldithiocarbamate; Zinc Alkyldithiophosphate

**Clean Water Act (CWA) 311:** Hydrogen sulfide; Ammonia

**Clean Air Act Section 112:  
(b) Hazardous Air  
Pollutants (HAPs)**

Listed

**Clean Air Act Section 602:  
Class I Substances**

Not listed

**Clean Air Act Section 602:  
Class II Substances** Not listed

**DEA List I Chemicals:  
(Precursor Chemicals)** Not listed

**DEA List II Chemicals:  
(Essential Chemicals)** Not listed

**SARA 302/304**

**Composition/information on ingredients**

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
Hydrogen sulfide	0 - 0.1	Yes.	500	-	100	-

**SARA 304 RQ:** 21786492.4 lbs / 9891067.5 kg

**SARA 311/312:**

**Classification:** Not applicable

**Composition/information on ingredients**

No products were found.

**SARA 313:**

	Product name	CAS number	%
<b>Form R - Reporting requirements</b>	Antimony dialkyldithiocarbamate Registry number: NJTSR 800983-5015P	-	Proprietary
<b>Supplier notification</b>	Antimony dialkyldithiocarbamate Registry number: NJTSR 800983-5015P	-	Proprietary

**State regulations:**

**Massachusetts:** None of the components are listed.

**New York:** None of the components are listed.

**New Jersey:** The following components are listed: Distillates (petroleum), hydrotreated heavy naphthenic; Distillates (petroleum), hydrotreated heavy paraffinic; Distillates (petroleum), solvent-dewaxed heavy paraffinic; Antimony dialkyldithiocarbamate

**Pennsylvania:** The following components are listed: Antimony dialkyldithiocarbamate

**California Prop. 65:**  
No products were found.

**NFPA Hazard Classification**

Health: 0  
 Flammability: 1  
 Reactivity: 0

**HMIS Classification**

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



<b>HEALTH</b>	<b>0</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.

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