Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Dyna-Plex 21C HI-TAC NLGI #1

Grease
Heavy Duty Petroleum Lubricant
Product Code: G890

Universal Lubricants, A PetroChoice Company
2824 N Ohio Street
Wichita, Kansas 67219
Website: 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)

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.

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

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

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

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.

5. FIREFIGHTING MEASURES

Suitable extinguishing media

Use dry chemical, foam, carbon dioxide (CO_2) 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.

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.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

Ingredient name	Exposure limits
Antimony dialkyldithiocarbamate Registry number: NJTSR 800983-5015P	**ACGIH TLV (United States, 6/2013).** TWA: 0.5 mg/m³, (as Sb) 8 hours. **OSHA PEL (United States, 2/2013).** TWA: 0.5 mg/m³, (as Sb) 8 hours. **NIOSH REL (United States, 4/2013).** TWA: 0.5 mg/m³, (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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Buttery, red

Physical state: Solid

Odor: Mineral oil

Specific gravity (H_2O=1): 0.9110

Melting point/freezing point: No data available

Initial boiling point and boiling range: No data available

Flash point (Cleveland Open Cup): 160ºC, (320ºF)

Upper/lower flammability or explosive limits: No data available

Vapor pressure: No data available

Solubility in water: Negligible @ 25ºC

Percent volatile: No data available

Vapor density (air=1): No data available

Evaporation rate: No data available

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.

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	- -

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.

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.

14. TRANSPORT INFORMATION

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

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	%
Form R - Reporting requirements	Antimony dialkyldithiocarbamate Registry number: NJTSR 800983-5015P	-	Proprietary
Supplier notification	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

HEALTH	**0**
FLAMMABILITY	**1**
PHYSICAL HAZARD	**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.

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