



Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Dyna-Plex 21C Black Imperial NLGI #2

Heavy Duty Grease
Product Code: 0033

PetroChoice, Inc.
1009 Schieffelin Rd.
Apex, NC 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)
+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:	<i>No Symbol</i>

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

Substance/Mixture: Mixture
Other Means of Identification: Not available

CAS Number and Other Identifiers

CAS Number: Not applicable
Product Code: Not available

Component	CAS Number	Concentration %
Residual oils (petroleum), solvent deasphalted	64741-95-3	1-5
Calcium dodecylbenzenesulphonate	26264-06-2	1-5
2, 6-di-tert-Butyl-p-cresol	128-37-0	1-5
Benzanamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	1-5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

4. FIRST AID MEASURES

Eye Contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.

Skin Contact

Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately.

Ingestion

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.

Potential Acute Health Effects

Eye Contact: No known significant effects or critical hazards

Inhalation: No known significant effects or critical hazards

Skin Contact: No known significant effects or critical hazards

Ingestion: No known significant effects or critical hazards

Over-Exposure Signs/Symptoms

Eye Contact: No known significant effects or critical hazards

Inhalation: No known significant effects or critical hazards

Skin Contact: No known significant effects or critical hazards

Ingestion: No known significant effects or critical hazards

Note to Physicians

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. No action shall be taken involving any personal risk or without suitable training.

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable: Use an extinguishing agent suitable for the surrounding fire.

Not Suitable: Not known

Specific hazards arising from the chemical

No specific fire or explosion hazard

Hazardous Thermal Decomposition Products

Oxides of calcium, carbon, phosphorus and nitrogen.

Special protective actions for fire-fighters

No special measures are required.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Non-Emergency Personnel: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

Emergency Responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning spills

Small Spill: Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large Spill: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Protective Measures

Put on appropriate personal protective equipment (see Section 8).

General Occupational Hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

Ingredient name	Exposure limits
Residual oils (petroleum), solvent deasphalted	OSHA PEL (United States, 6/2010) TWA: 5 mg/m ³ 8 hours ACGIH TLV (United States, 3/2012) TWA: 5 mg/m ³ , 8 hours. Form: inhalable fraction NIOSH REL (United States, 6/2009) TWA: 5 mg/m ³ , 10 hours. Form: Mist STEL: 10 mg/m ³ , 15 minutes. Form: Mist
2, 6-di-tert-Butyl-p-cresol	OSHA PEL 1989 (United States, 3/1989) TWA: 10 mg/m ³ 8 hours ACGIH TLV (United States, 4/2014) TWA: 2 mg/m ³ , 8 hours. Form: inhalable fraction and vapor NIOSH REL (United States, 10/2013) TWA: 10 mg/m ³ , 10 hours

Appropriate Engineering Controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental Exposure Controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation

Individual Protection Measures

Hygiene Measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory Protection

Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hand Protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye/Face Protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side shield.

Skin Protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color: Brown

Physical state: Solid (Paste)

Odor: Mild Petroleum

Odor Threshold: N/A

pH: N/A

Flash point (Cleveland Open Cup): >204.44°C, (>400°F)

Vapor pressure: Not determined

Vapor density (air = 1): Not determined

Relative density: 0.98

Boiling point/range: Not determined

Melting point/freezing point: Not applicable

Evaporation rate: Not applicable

Solubility in water:

Insoluble in the following materials: Cold water, hot water.

Soluble in the following materials: aliphatic & aromatic solvents

Viscosity: Not applicable

Volatility: Not applicable

Auto-ignition temperature: Not applicable

Decomposition temperature: Not applicable

Flammable/explosive limits: Not determined

10. STABILITY AND REACTIVITY

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: The product is stable

Conditions to avoid: No specific data

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Possibility of Hazardous Reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Incompatible Materials: Reactive or incompatible with the following materials: Oxidizing Material and Acids. Slightly reactive or incompatible with the following materials: metals.

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute toxicity:

Component Name	Result	Species	Dose	Exposure
Calcium dodecylbenzenesulphonate	LD50 Oral	Rat	1300 mg/kg	-
2, 6-di-tert-Butyl-p-cresol	LD50 Oral	Rat	890 mg/kg	-
Benzanamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	LD50 Oral	Rat	>5000 mg/kg	-

Irritation/Corrosion:

Component Name	Result	Species	Score	Exposure	Observation
2, 6-di-tert-Butyl-p-cresol	Eyes- Moderate Irritant Skin- Mild Irritant Skin- Moderate Irritant	Rabbit	-	24 hrs 100 mg	-
		Human	-	48 hrs 500 mg	-
		Rabbit	-	48 hrs 500 mg	-

Sensitization: There is no data available

Carcinogenicity Classification

Component Name	OSHA	IARC	NTP	ACGIH	EPA	NIOSH
Petroleum asphalt	-	3	-	A4	-	+
Bitumens, Oxidized	-	3	-	A4	-	-
2, 6-di-tert-Butyl-p-cresol	-	3	-	A4	-	-

Aspiration Hazard:

Name	Result
Residual Oils (petroleum), solvent deasphalted	ASPIRATION HAZARD – Category 1

Likely Routes of Exposure: Routes of entry anticipated: Oral, dermal

Potential Acute Health Effects

Eye Contact: No known significant effects or critical hazards

Inhalation: No known significant effects or critical hazards

Skin Contact: No known significant effects or critical hazards

Ingestion: No known significant effects or critical hazards

Symptoms Related to Physical, Chemical and Toxicological Characteristics

Eye Contact: No known significant effects or critical hazards

Inhalation: No known significant effects or critical hazards

Skin Contact: No known significant effects or critical hazards

Ingestion: No known significant effects or critical hazards

Delayed and Immediate Effects/Chronic Effects

Short term exposure

Potential Immediate Effects: No known significant effects or critical hazards

Potential Delayed Effects: No known significant effects or critical hazards

Long term exposure

Potential Immediate Effects: No known significant effects or critical hazards

Potential Delayed Effects: No known significant effects or critical hazards

Potential Chronic Health Effects

General: No known significant effects or critical hazards

Carcinogenicity: No known significant effects or critical hazards

Mutagenicity: No known significant effects or critical hazards

Teratogenicity: No known significant effects or critical hazards

Developmental Effects: No known significant effects or critical hazards

Fertility Effects: No known significant effects or critical hazards

Numerical Measures of Toxicity

Acute Toxicity Estimates

Route	ATE Value
Oral	45234.4 mg/kg

12. ECOLOGICAL INFORMATION

Toxicity

Product/Ingredient Name	Result	Species	Exposure
2, 6-di-tert-Butyl-p-cresol	Acute EC50 1440 µg/L Fresh water	Daphnia- Daphnia pulex- Neonate	48 Hours

Persistence and degradability: There is no data available.

Bioaccumulative potential

Product/Ingredient Name	LogPow	BCF	Potential
2, 6-di-tert-Butyl-p-cresol	5.1	330 to 1800	High
Benzanamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	5.1	1730	High

Mobility in soil:

Soil/water partition coefficient (Koc): Not available.

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

13. DISPOSAL CONSIDERATIONS

Disposal Consideration

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. TRANSPORT INFORMATION

	DOT Classification	IMDG	IATA
UN Number	Not Regulated	Not	Not Regulated
UN Proper Shipping Name	-	-	-
Transport Hazard Class(es)	-	-	-
Packing Group	-	-	-
Environmental Hazards	No	No	No
Additional Information	-	-	-

AERG: Not applicable

Special precautions for user: Transport within user's premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not available

15. REGULATORY INFORMATION

United States

U.S. Federal regulations:

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

United States Inventory (TSCA 8b): All components are listed or exempted.

Clean Water Act (CWA) 311: Calcium dodecylbenzenesulphonate

Clean Air Act (CAA) 112 (b) Hazardous Air Pollutants (HAPs): Not 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: No products were found.

SARA 304 RQ: Not applicable

SARA 311/312 Classification: Not applicable

Composition/information on ingredients

Name	%	Fire Hazard	Sudden Release of Pressure	Reactive	Immediate (Acute) Health Hazard	Delayed (Chronic) Health Hazard
Calcium dodecylbenzenesulphonate	1-5	No	No	No	Yes	No
Benzanamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	1-5	No	No	No	No	Yes

State regulations:

Massachusetts

The following components are listed: Petroleum asphalt; Distillates (petroleum), Solvent-dewaxed light paraffinic; Distillates (petroleum), hydrotreated light paraffinic; Calcium dodecylbenzenesulphonate; 2-6-di-tert-Butyl-p-cresol

New York:

The following components are listed: Calcium dodecylbenzenesulphonate

New Jersey:

The following components are listed: Petroleum asphalt; Bitumens, Oxidized; Distillates (petroleum), hydrotreated heavy paraffinic; Distillates (petroleum), hydrotreated heavy naphthenic; Residual Oils (petroleum), solvent deasphalted; Distillates (petroleum), Solvent-dewaxed light paraffinic; Distillates (petroleum), hydrotreated light paraffinic; Distillates (petroleum), Solvent-dewaxed heavy paraffinic; Calcium dodecylbenzenesulphonate; 2-6-di-tert-Butyl-p-cresol

Pennsylvania:

The following components are listed: Petroleum asphalt; Calcium dodecylbenzenesulphonate; 2-6-di-tert-Butyl-p-cresol

California Prop. 65:

No products were found.

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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