



# Safety Data Sheet

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## 1. PRODUCT AND COMPANY IDENTIFICATION

### Dyna-Plex 21C HD 1100

Liquid

Product Code: 14776

Miller Industrial Fluids, A PetroChoice Company

1751 W. Raymond Street

Indianapolis, Indiana 46221

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

1-317-634-7300 Telephone

1-800-424-9300 US, Canada, Puerto Rico, Virgin Island - Emergency telephone (CHEMTREC)

+1-703-527-3887 International / Maritime Emergency telephone (CHEMTREC)

1-317-634-7300 Emergency telephone, after hours (CHEMTREC)

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## 2. HAZARDS IDENTIFICATION

### OSHA/HCS Status:

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

<b>Prevention:</b>	Not applicable
<b>Response:</b>	Not applicable
<b>Storage:</b>	None
<b>Disposal:</b>	Dispose of contents and container in accordance with all local, regional, national and international regulations.
<b>Other Hazards:</b>	None known

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Formula:** Mixture

**Other means of identification:** None

**CAS Number/other identifiers:** None

Component	CAS Number	Concentration %
Alkanes, C21-C28, chloro	63449-39-8	1-5

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## 4. FIRST AID MEASURES

### Eyes

Rinse immediately with water. Remove contact lenses, if safe and possible to do. Continue rinsing with water for at least 15 minutes. Keep impacted eye(s) wide open while rinsing. If eye irritation persists, consult a specialist.

### Inhalation

Move person to an area with fresh air if breathing is difficult. Keep person at rest in a position comfortable for breathing. If symptoms persist, call a physician.

### Skin Contact

Take off contaminated clothing and shoes immediately. Wash off affected area with plenty of soap and water. If symptoms persist, call a physician.

### Ingestion

Rinse mouth with plenty of water and drink plenty of water afterwards. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

### Most important symptoms/effects, acute and delayed

Skin irritation, eye redness, and tear formation.

### Indication of immediate medical attention and special treatment needed, if necessary:

If necessary, treat symptomatically.

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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 use a solid water stream as it may scatter and spread fire.

### Special hazards arising from this mixture

Hazardous combustion products may include oxides of carbon and sulfur. May produce irritating fumes and smoke.

### Special protective equipment and precautions for fire-fighters

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, Protective equipment, Emergency Procedures

Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. If significant spillages cannot be contained, local authorities should be advised.

### Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where possible. Absorb in vermiculite, dry sand or other non-combustible absorbent material then place into containers. In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

### Environmental precautions

Prevent entry into waterways, sewer, basements or confined areas. Avoid discharge to the aquatic environment. Avoid discharge into drains, watercourses or onto the ground. If the product contaminates rivers and lakes or drains, then inform the respective authorities.

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## 7. HANDLING AND STORAGE

### Precautions for safe handling

Do not breathe dust, fume, gas, mist, vapors or spray. Wash hands after handling and before eating. Do not get this material in contact with eyes. Avoid contact with skin. Avoid prolonged exposure. All handling should take place in well-ventilated area. Shower after work. Remove and wash contaminated clothing promptly. Conditions for safe storage

### Conditions for Safe Storage

Keep away from heat, sparks and open flame. Store in a well-ventilated place.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limits

#### OSHA

Component	Type	Value
Oil mist	PEL	5 mg/m <sup>3</sup>

#### ACGIH

Component	Type	Value
Oil mist	PEL	5 mg/m <sup>3</sup>

#### NIOSH

Component	Type	Value
Oil mist	TWA	5 mg/m <sup>3</sup>
	STEL	10 mg/m <sup>3</sup>

#### Appropriate engineering controls:

Adequate ventilation should be provided whenever the material is heated or mists are generated. Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

#### Individual protection measures, such as personal protective equipment:

##### Eye/Face protection

Goggles/face shield are recommended.

##### Hand protection

Polyvinyl alcohol or nitrile rubber gloves are recommended.

##### Skin and body protection

Chemical/oil resistant long-sleeve clothing is recommended. Launder contaminated clothing before reuse.

##### Respiratory protection

If vapors/mist concentration exceed the exposure limit(s), an appropriate certified respirator must be used.

##### General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Amber

**Physical state:** Liquid

**Odor:** Mild

**Odor Threshold:** Not available

**pH:** Not available

**Melting point/freezing point:** Not available

**Initial boiling point and boiling range:** >600°F (>315.6°C)

**Flash point (Cleveland Open Cup):** >395°F (>201.7°C) ASTM D92

**Evaporation rate:** Not available

**Flammability (solid, gas):** Not available

**Upper/lower flammability or explosive limits:**

**Flammability limit**

**Lower %:** Not available

**Upper %:** Not available

**Explosive Limit**

**Lower %:** Not available

**Upper %:** Not available

**Vapor pressure:** Not available

**Vapor density:** Not available

**Relative density:** 0.88 @ 60°F (15.56°C)

**Solubility (water):** Insoluble

**Partition Coefficient (n-octanol/water):** Not Established

**Auto-ignition Temperature:** >600°F (315.6°C) ASTM E659

**Decomposition Temperature:** Not available

**Viscosity:** 29 cSt @ 104°F (40°C) ASTM D445

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## 10. STABILITY AND REACTIVITY

**Reactivity:** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability:** The product is stable.

**Possibility of hazardous reactions:** Under normal conditions of storage and use, hazardous reactions will not occur

**Conditions to avoid:** Heat, flames and sparks. Avoid elevated temperatures and excessive heat.

**Incompatible materials:** Strong oxidizing agents.

**Hazardous decomposition products:** Decomposition products include carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.  
Combustion gases may contain oxides of carbon and sulfur.

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## 11. TOXICOLOGICAL INFORMATION

**Information on the likely routes of exposure:** Dermal contact. Eye contact. Ingestion.

- Ingestion:** May cause gastrointestinal discomfort if swallowed. Do not induce vomiting. Vomiting may increase risk of product aspiration.
- Inhalation:** May be harmful if inhaled. However, this product does not meet the criteria for classification.
- Skin Contact:** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
- Eye Contact:** May be irritating to eyes.

**Symptoms related to the physical, chemical and toxicological characteristics:** Not available

### Information on toxicological effects

- Acute Toxicity:** Not classified.
- Skin Corrosion/Irritation:** May be irritating to skin.
- Serious Eye Damage/Eye Irritation:** May be irritating to eyes.

### Respiratory or Skin Sensitization:

- Respiratory Sensitization:** Not a respiratory sensitizer.
- Skin Sensitization:** Not a skin sensitizer.

**Mutagenicity:** Non-mutagenic

### Carcinogenicity:

This product contains a very long chain chlorinated paraffin. Based upon data from short chain chlorinated paraffins, the risk of cancer cannot be excluded with prolonged exposure.

**Reproductive Toxicity:** Contains no ingredient listed as toxic to reproduction.

### Specific Target Organ Toxicity:

- Single Exposure:** Not classified
- Repeated Exposure:** Not classified

**Aspiration Hazard:** Not classified

### Chronic Effects:

May be irritating to skin. Prolonged or repeated contact may cause drying and cracking of the skin.

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## 12. ECOLOGICAL INFORMATION

### Exotoxicity:

Component	Test	Species	Result
Alkanes, C21-28, chloro	LC50, 96 hours	Pimephales promelas	>100 mg/L
	LC50, 96 hours	Oncorhynchus mykiss	>300 mg/L

**Persistence and Degradability:** No data available

**Bioaccumulative Potential:** No data available

**Mobility in Soil:** No data available

**Other Adverse Effects:** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

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## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal methods

Disposal of waste material should comply with all local, state, federal and provincial environmental regulations. See Section 7 for safe handling procedures and section 8 for personal protective equipment recommendations. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Empty containers or liners may retain some product residues. Follow label warnings even after container is emptied. Avoid contact of any spilled material or runoff with soil, waterways, drains and sewers.

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## 14. TRANSPORT INFORMATION

**DOT:** Not dangerous/hazardous goods

**IMDG:** Not dangerous/hazardous goods

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## 15. REGULATORY INFORMATION

### U.S. Federal Regulations

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

### SARA 302/304:

#### Composition/Information on Ingredients

No products were found

**SARA 311/312**

<b>Acute Health Hazard:</b>	No
<b>Chronic Health Hazard:</b>	No
<b>Fire Hazard:</b>	No
<b>Sudden Release of Pressure Hazard:</b>	No
<b>Reactive Hazard:</b>	No

**SARA 313:**

No products were found.

**State Regulatory Status****California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)**

No products were found.

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**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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