



# Safety Data Sheet

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## 1. PRODUCT AND COMPANY IDENTIFICATION

### Dyna-Plex 21C Quench Oil 517

Product Type: Metal quenching

Product Code: 15345

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)

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## 2. HAZARDS IDENTIFICATION

### OSHA/HCS Status:

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

### Classification of the substance or mixture:

Aspiration Hazard – Category 1B

### GHS Label Elements

### Hazard Pictogram:



### Signal Word:

DANGER

### Hazard Statement:

H304 – May be fatal if swallowed and enters airways.

## Precautionary Statements

- Prevention:** Avoid breathing vapor.
- Response:** IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.
- Storage:** Store locked up.
- Disposal:** Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Other Hazards:** None known

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Name:** None  
**Formula:** Mixture  
**Other means of identification:** None  
**CAS Number/other identifiers:** Not applicable

Component	CAS Number	Concentration %
Petroleum distillates, solvent-dewaxed light paraffinic	64742-56-9	80-95

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## 4. FIRST AID MEASURES

### Description of necessary first aid measures

#### Eye Contact:

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 not breathing or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. SEEK MEDICAL ATTENTION IMMEDIATELY.

#### 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. Do not induce vomiting. Never give anything by mouth to an unconscious person. SEEK MEDICAL ATTENTION IMMEDIATELY.

#### Most Important Symptoms/Effects, Acute and Delayed:

May cause defatting of the skin.

#### Indication of any immediate medical attention and special treatment needed:

If necessary, treat symptomatically.

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## 5. FIREFIGHTING MEASURES

### Extinguishing media

#### Suitable extinguishing media

In case of fire, use water spray (fog), foam, dry chemical or CO<sub>2</sub>.

#### Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

### Specific hazards arising from this mixture

Hazardous combustion products include hydrogen sulfide, sulfur oxides, carbon monoxide, and carbon dioxide.

### 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 and 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.

### 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.

### 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.

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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 or skin. Do not breath vapor or mist. Do not swallow. 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

Material	Type	Value	Form
Petroleum distillates, solvent-dewaxed light paraffinic	PEL	5 mg/m <sup>3</sup>	Mist

#### NIOSH

Material	Type	Value	Form
Petroleum distillates, solvent-dewaxed light paraffinic	TWA STEL	5 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>	Mist Mist

#### ACGIH

Material	Type	Value	Form
Petroleum distillates, solvent-dewaxed light paraffinic	TWA	5 mg/m <sup>3</sup>	Mist

### 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-butyl-rubber gloves are recommended.

**Skin & 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:** Light Amber

**Physical state:** Liquid

**Odor:** Hydrocarbon-like

**Odor Threshold:** Not available

**pH:** Not available

**Melting/freezing point:** Not available

**Initial boiling point:** >560°F (>293.3°C)

**Flash point (Cleveland Open Cup):** >330°F (>165.6°C) COC, ASTM D-92

**Evaporation rate:** Not available

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

**Lower/upper 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:** 0.86 @ 60°F (15.56°C)

**Solubility:** Insoluble

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

**Auto-ignition Temperature:** Not available

**Decomposition Temperature:** Not available

**Viscosity:** 19 cSt @ 104°F (40°C) ASTM D-445

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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:** Stable under normal conditions.

**Possibility of hazardous reactions:** Hazardous polymerization does not occur.

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

**Incompatible materials:** Strong oxidizing agents.

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

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## 11. TOXICOLOGICAL INFORMATION

**Information on Likely Routes of Exposure:** Dermal contact. Eye contact. Ingestion.

### Ingestion

May be harmful if swallowed. May cause throat irritation, nausea, vomiting and diarrhea. Do not induce vomiting. Vomiting may increase risk of product aspiration.

### Inhalation

Aspiration Hazard: Breathing product into lungs during ingestion or vomiting may cause lung injury and possible death.

### **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:**

#### **Component Analysis**

<b>Product/ingredient name</b>	<b>Result</b>	<b>Species</b>	<b>Dose</b>
Petroleum distillates, solvent-dewaxed light paraffinic	LD <sub>50</sub> Oral	Rat	>2000 mg/kg
	LD <sub>50</sub> Dermal	Rat	>2000 mg/kg
	LD <sub>50</sub> Dermal	Rabbit	>4480 mg/kg

**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's components are not considered to be carcinogenic by IARC, ACGIH, NTP or OSHA.

### **Reproductive toxicity:**

#### **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**

**Ecotoxicity:** This product is not expected to be harmful to aquatic life.

**Persistence and degradability:** No information available.

**Bioaccumulative potential:** No information available.

**Mobility in soil:** No information 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

#### Disposal instructions

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 regulated as dangerous goods.

**IMDG:** Not regulated as dangerous goods.

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### 15. REGULATORY INFORMATION

#### U.S. Federal Regulations:

This product is considered a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

#### SARA 302/304

**Composition/information on ingredients:** No products were found

#### 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

**SARA 313:** No products were found

#### State Regulations

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

#### U.S. State Right-to-Know Regulations

Component	Massachusetts	New Jersey	Pennsylvania	Rhode Island
Petroleum distillates, solvent-dewaxed light paraffinic	No	No	No	No

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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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